TENTATIVE

SANYO

FILE NO.

SERVICE MANUAL

Original Version

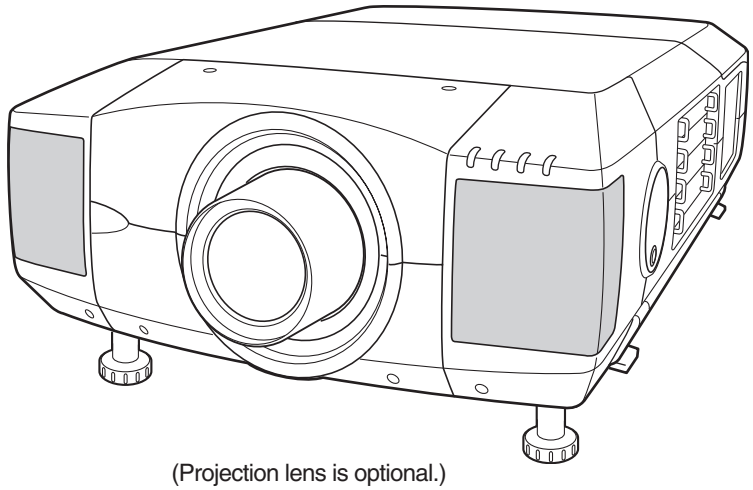
MODEL NO. PLC-XF46N

U.S.A., CANADA

PLC-XF46E

Europe, U.K.

Multimedia Projector



(Projection lens is optional.)

Chassis No. KF6-XF46N00
LF6-XF46E00

NOTE: Match the Chassis No. on the rating sheet on the cabinet with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unites, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing the unit.

Give complete "CHASSIS NO." for parts order or servicing, it is shown on the rating sheet on the cabinet of the Projector.

PRODUCT CODE :

PLC-XF46N	KF6A	**1 122 342 00**	U.S.A., Canada
PLC-XF46E	LF6A	**1 122 343 00**	Europe, Asia, Africa
PLC-XF46E	LF6C	**1 122 343 02**	U.K.

REFERENCE NO. **SM**5110783-00

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SAFETY PRECAUTIONS

WARNING:
The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line (⎓) in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed.

1: An isolation transformer should be connected in the power line between the projector and the AC line before any service is performed on the projector.

2: Comply with all caution and safety-related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.

3: When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as, control knobs, adjustment covers or shields, barriers, etc.

DO NOT OPERATE THIS PROJECTOR WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED.

4: Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any projector to the customer, the service personnel must be sure it is completely safe to operate without danger of electric shock.

PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by mark ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of there parts must be made by exactly the same parts.

SERVICE PERSONNEL WARNING

Eye damage may result from directly viewing the light produced by the Lamp used in this equipment. Always turn off Lamp before opening cover. The Ultraviolet radiation eye protection required during this servicing.
Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages(approx. 8kV) at its starts.
Since the lamp is very high temperature during units operation replacement of the lamp should be done at least 45 minutes after the power has been turned off, to allow the lamp cool-off.

CAUTION

Not for use in a computer room as defined in the Standard for the Protection of Electronic Computer/Data Processing Equipment, ANSI/NFPA 75.
Ne puet être utillisé dans une salle d'ordinateurs telle que définie dans la norme ANSI/NFPA 75 Standard for Protection of Electronic Computer/Data Processing Equipment

CAUTION

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

■ Specifications

Projector Type	Multi-media Projector
Dimensions (W x H x D)	22.9" x 10" x 30.9" (581 mm x 252 mm x 783 mm)
Net Weight	80.3 lbs (36.5 kg)
LCD Panel System	1.8" TFT Active Matrix type, 3 panels
Panel Resolution	1024 x 768 dots
Number of Pixels	2,359,296 (1024 x 768 x 3 panels)
Color System	PAL, SECAM, NTSC, NTSC4.43, PAL-M and PAL-N
High Definition TV Signal	480i, 480p, 575i, 575p, 720p, 1035i, 1080i-50 and 1080i-60
Motorized Lens Shift	Up, Down, Left and Right
Scanning Frequency	H-sync. 15 ~ 120 KHz, V-sync. 50 ~ 120 Hz
Horizontal Resolution	800 TV lines
Projection Lamp	300 watt type x 4
Input 1 Jacks	DVI-I Terminal (Digital/Analog), RCA Type (Audio R and L) and DIN 8-pin (Control port)
Input 2 Jacks	BNC Type x 5 (R/Pr, G/Y, B/Pb, H/HV and V), RCA Type (Audio R and L) and DIN 8-pin (Control port)
Input 3 Jacks	BNC Type x 2 (VIDEO/Y, C), RCA Type (Audio R and L) and DIN 4-pin (S-Video)
Input 4 Jacks	HDB 15-pin Terminal (Analog), RCA Type (Audio R and L) and DIN 8-pin (Control port)
Other Jacks	Serial port in (DB 9), Serial port out (DB 9), USB port, Audio out (RCA Type R and L) and Wired Remote Jack
Feet Adjustment	0˚ to 5.7˚
Voltage and Power Consumption	AC 120 V (16 A Max. Ampere), 50 / 60 Hz (The U.S.A and Canada) AC 200 ~ 240 V (9.0 A Max. Ampere), 50 / 60 Hz (Continental Europe and The U.K.)
Operating Temperature	41 ˚F ~ 95 ˚F (5 ˚C ~ 35 ˚C)
Storage Temperature	14 ˚F ~ 140 ˚F (-10 ˚C ~ 60 ˚C)
Remote Control Transmitter	Power Source : AA or R06 Type x 2 Operating Range : 16.4' (5m) / ±30˚ Dimensions : 1.97" x 1.06" x 6.61" (50mm x 27mm x 168mm) Net Weight : 4.4 oz (126 g) (including batteries)
Accessories	Owner's Manual (CD-ROM) Quick setup manual AC Power Cord Wireless/Wired Remote Control Transmitter and Batteries Remote Control Cable VGA Cable 6 Types Light-Block Sheet (For option lens) 2 Types Lens Attachment (For option lens) Real Color Manager Pro

- The specifications are subject to change without notice.
- LCD panels are manufactured to the highest possible standards. Even though 99.99% of the pixels are effective, a tiny fraction of the pixels (0.01% or less) may be ineffective by the characteristics of the LCD panels.

c UL US LISTED

This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.

CE

The CE Mark is a Directive conformity mark of the European Community (EC).

■ Circuit Protections

This projector provides the following circuit protections to operate in safety. If the abnormality occurs inside the projector, it will automatically turn off by operating one of the following protection circuits.

● Fuse

The fuse(**F901**) is located inside of the projector. When either LAMP indicator or READY indicator is not lighting, the fuse may be opened. Check the fuse as following steps.

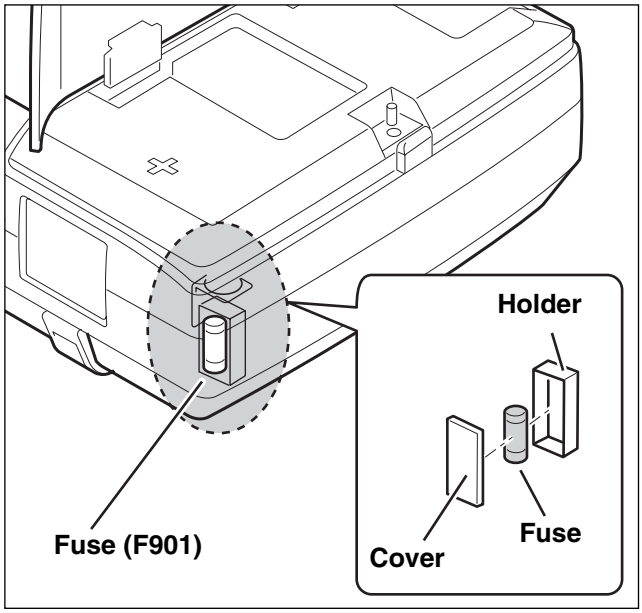
The fuse should be used with the following type;

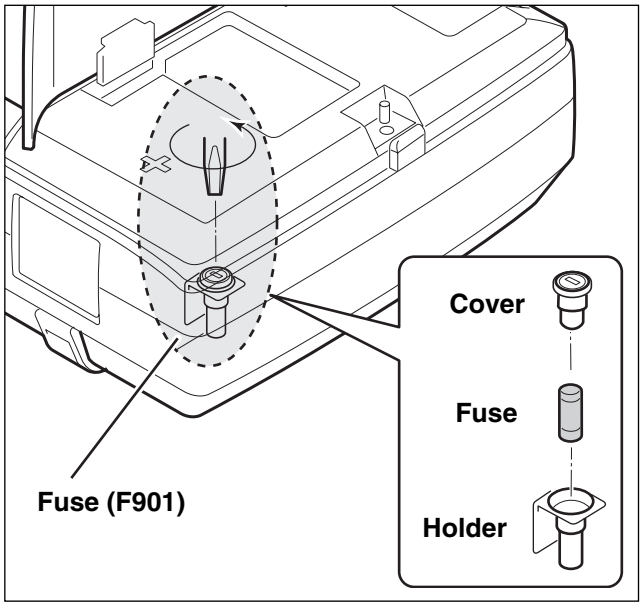
PLC-XF46N

Fuse Part No.: 423 033 1804
TYPE 30.0A250V FUSE
SOC CORP. KST2 30A

PLC-XF46E

Fuse Part No.: 423 028 4209
TYPE 15.0A400V FUSE
SOC CORP. SHV14 15A N4





How to replace the fuse

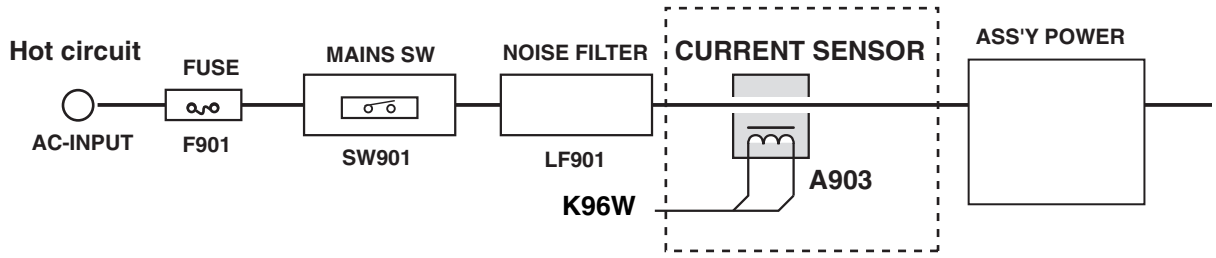
1. Remove the cabinet top following to "Mechanical Disassemblies".
2. Remove the cover and the fuse from fuse holder.

To install the fuse, take reversed step in the above.

● AC Current Sensor

AC current sensor is used only for PLC-XF46E.

The AC Current Sensor is provided to prevent damage to the power supply circuits.
When AC input voltage is under 108V at MAINS SW ON, the AC Current Sensor will be operated and the CPU does not turn the projector on, and both of READY and WARNING TEMP. indicators start flashing.
Check that the AC current sensor signal is correct. L : Abnormality

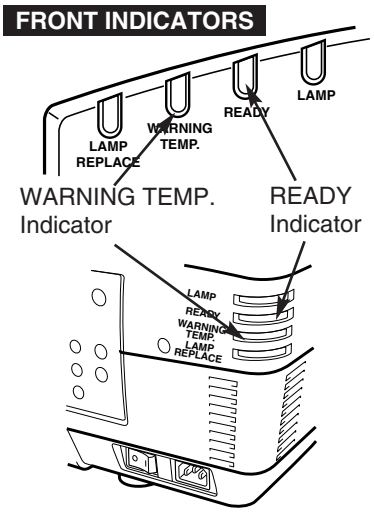


When both of the WARNING TEMP. and READY Indicators are flashing:

When the projector detects an internal problem, it will shut down automatically and both of the WARNING TEMP. and READY Indicators starts flashing. In this condition, the projector cannot be turned on even if you press the POWER ON-OFF button on the remote control unit or on the side control. If this case happened, disconnect and reconnect the AC power cord, and then turn on the projector again to check its operation. If the projector shuts down again or fails to be turned on, the internal check and repair will be required.

Check items listed below;

- **Power Failure Protection**
- **AC Current Sensor** (See the previous page.)
- **Temperature Check of Lamps**
- **Lamp Cover Switch**



● Power Failure Protection

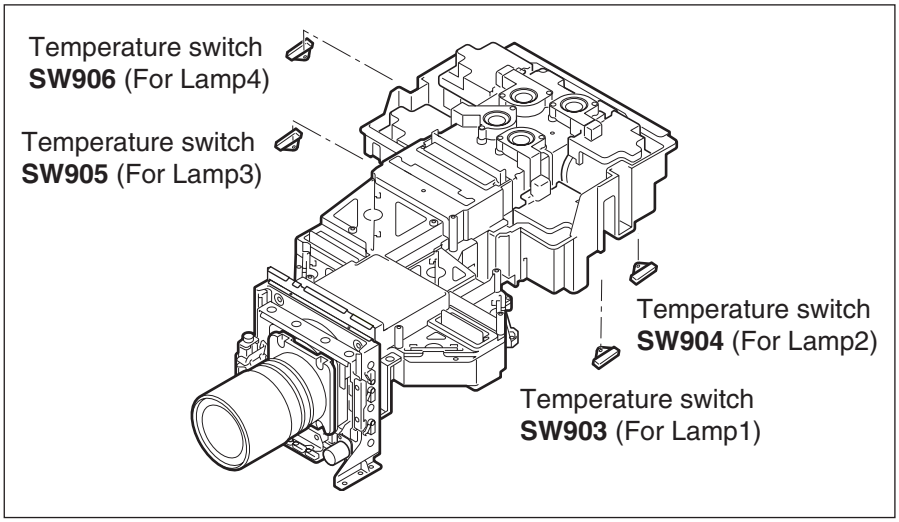
Power failure protection diodes detect abnormal voltage on the power supply circuits or the fan operation stop.

● Temperature Check of Lamps

Temperature switches (SW 903~906) are arranged near the four lamps. Temperature switches will operate, if temperature reaches 110 degrees.

Temperature switches
--- open at 110 degrees.
SW903 ---Lamp1
SW904 ---Lamp2
SW905 ---Lamp3
SW906 ---Lamp4

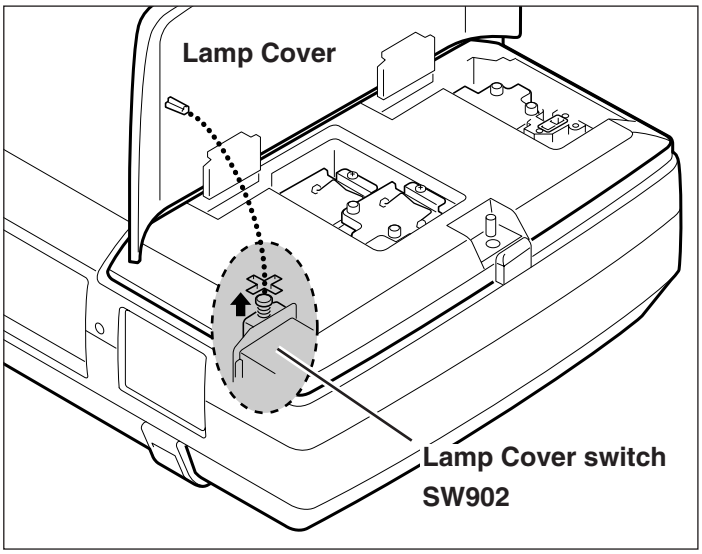
When temperature switches become open, they cut off 12V_PFC line to PFC(power factor control) unit, and then a projector will be shut down.



● Lamp cover switch

When the lamp cover is removed or no close completely, the lamp cover switch (SW902) cuts off 12V_PFC line to the PFC unit, and then a projector will be shut down.

After opening the lamp cover for replacing the lamp unit, place the lamp cover correctly, otherwise the projector can not be turned on.



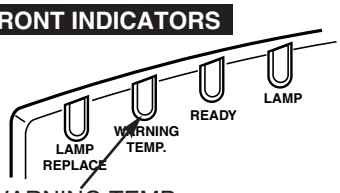
When the WARNING TEMP. Indicator is flashing:

The WARNING TEMP. Indicator flashes red to let you know the internal temperature of the projector exceeds the normal level. If the temperature goes up further, the projector will be turned off automatically and the Ready indicator will go out. (The WARNING TEMP. Indicator continues flashing.) After the cooling-off period, the READY Indicator lights on again and the projector can be turned on by pressing the POWER ON-OFF button on the remote control unit or on the side control. When you turn on the projector, the WARNING TEMP. Indicator will go out.

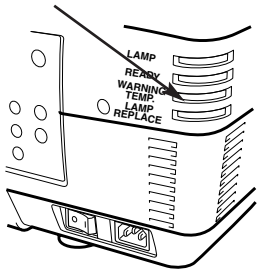
If the WARNING TEMP. Indicator is still flashing, check items listed below;

- **Installation**
- **Air Filter**
- **Temperature Monitor System**

FRONT INDICATORS



WARNING TEMP. Indicator



REAR INDICATORS

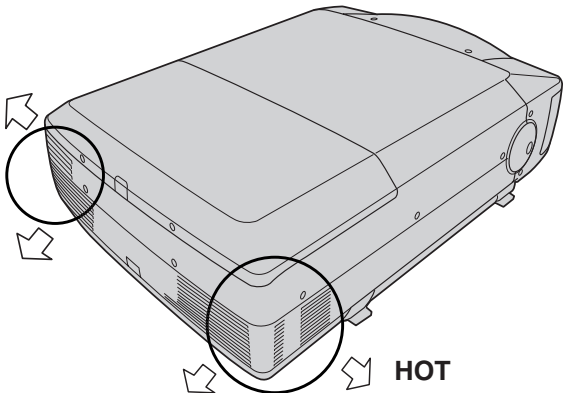
● Installation

- Air filter is clogged with dust particles. Remove dust from the air filter by following instruction in the "Air filter care and cleaning".
- Ventilation slots of the projector are blocked. In such case, reposition the projector so that ventilation slots are not obstructed.
- Check if projector is used at higher temperature place(Normal operate is 5 to 35°C or 41 to 95°F)

HOT AIR EXHAUSTED !

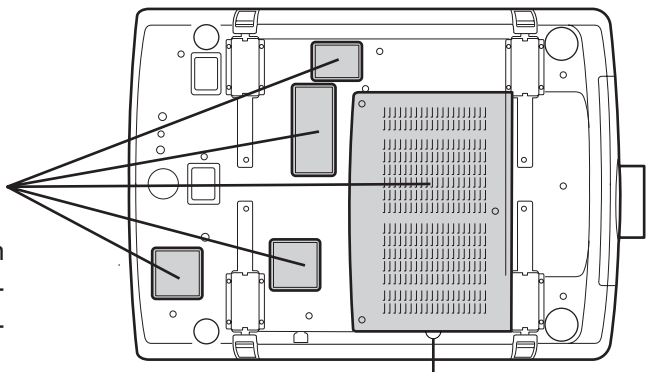
Air blown from exhaust vent is hot. When using or installing a projector, following precautions should be taken.

- Do not put flammable objects near these vents.
- Keep rear grills at least 3' (1m) away from any object, especially heat-sensitive object.
- Do not touch this area, especially screws and metallic parts. This area will become hot while a projector is used.



● Air Filter

AIR INTAKE VENTS



This projector is equipped with cooling fans for protection from overheating. Pay attention to following to ensure proper ventilation and avoid a possible risk of fire and malfunction.

- Do not cover vent slots.
- Keep bottom clear any objects. Obstructions may block cooling air.

● Temperature Monitor System

■ To control the driving power of the cooling fans.

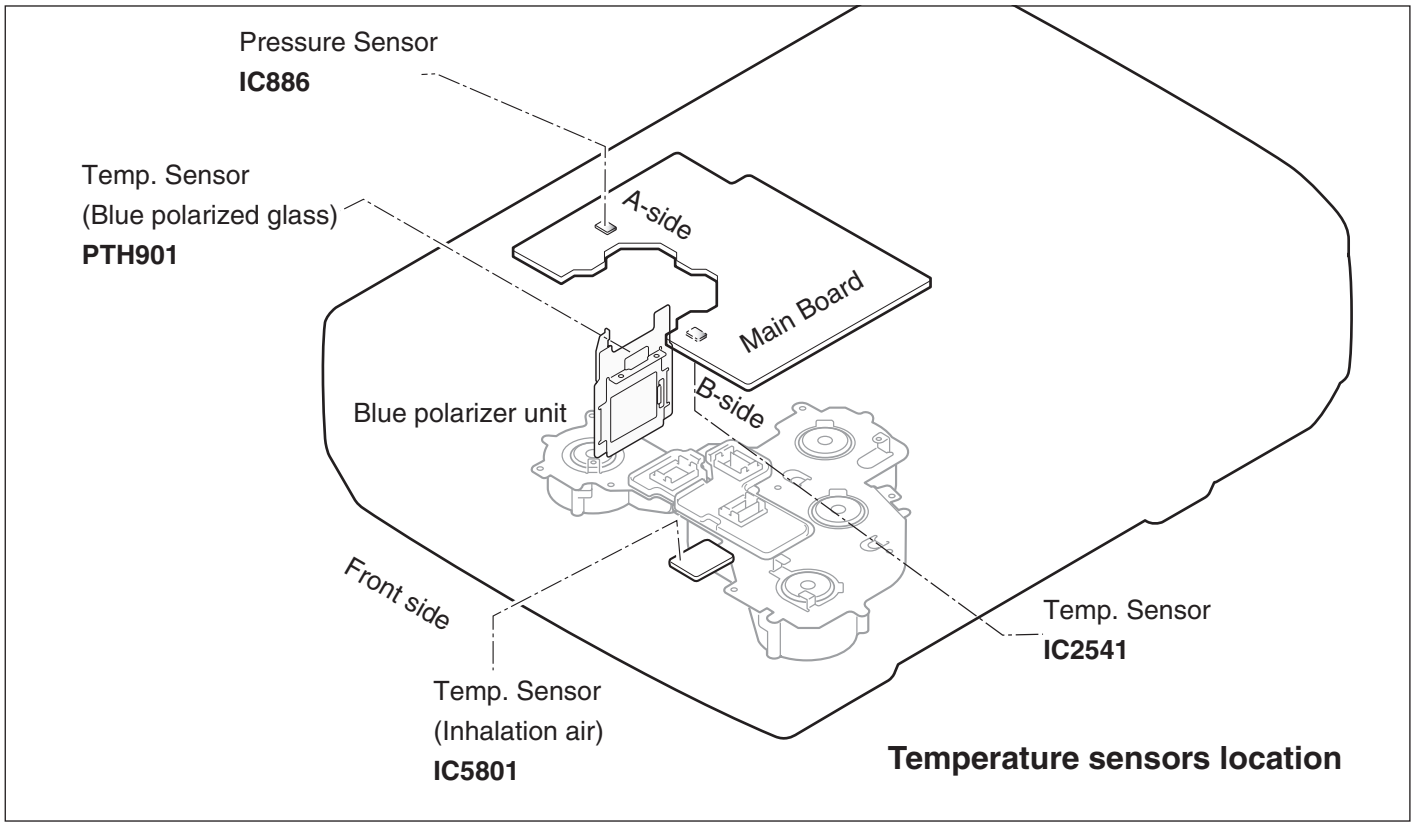
This projector detects internal temperature and automatically controls operating power of cooling fans.

The CPU checks the temperature and atmospheric pressure inside a projector. It checks a temperature using temperature sensor-IC5801and it checks an atmospheric pressure using pressure sensor-IC886.

The CPU controls the driving power of the cooling fans so the temperature inside the projector is maintained to normal temperature.

■ To shut down the projector.

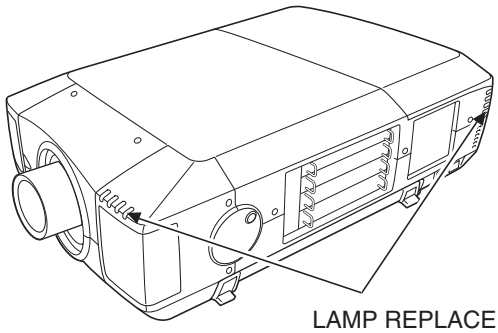
The CPU checks temperature of Blue polarized glass (PTH901) and inhalation air(IC5801). If each part temperature reaches to abnormal temperature, the CPU will turn off a projector, and will blink WARNING TEMP. indicator at intervals of 0.5 seconds. Cooling fans operate until temperature returns to normal. WARNING TEMP. indicator will stop blink, if temperature returns to normal.



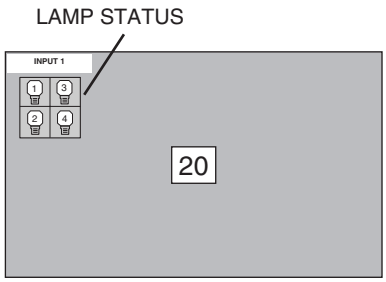
Temperature sensors location

LAMP MANAGEMENT (before replacement)

This Projector is equipped with 4 Projection Lamps to ensure brighter image and those lamps are controlled by Lamp Management Function. Lamp Management Function detects status of all lamps and shows status on screen or on LAMP REPLACE indicator. This function also automatically controls Lamp Mode when any of lamps is out for end of life or malfunctions.



LAMP REPLACE INDICATOR

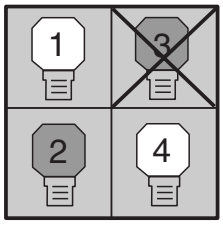


Lamp Replace Indicator

This LAMP REPLACE indicator lights yellow when any of Projection Lamps is nearing its end, and flashes when any of them becomes out. Check number of lamp on Lamp Status Display and replace lamp.

Lamp Status Display

Lamp Status Display appears on screen when power switch is on or changed input position (input 1, input 2, Input 3 or input 4). This shows status of each lamp as; ON, OFF, NEAR END, or OUT. Refer to following for each status.



LAMP STATUS DISPLAY

Yellow Lamp ---------- Projection Lamp lights normally.

Dim Lamp ---------- Projection Lamp is turned off.

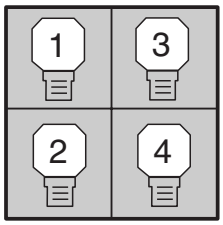
Red Lamp ---------- Projection Lamp is nearing its end. When image becomes darker or color becomes unnatural, replace lamp. (LAMP REPLACE indicator lights yellow.)

X Mark on Lamp ------- (LAMP REPLACE indicator flashes yellow.)
Projection lamp is defective or fails to be turned on. Restart a projector on, and make sure lamp is on. If this mark still appears, replace lamp corresponding with number marked X.

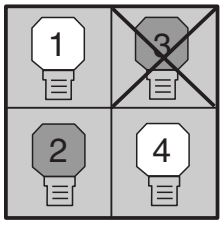
Lamp Mode Changeover

Lamp Management Function automatically changes combination of lighting lamp (Lamp Mode) by detecting status of lamp. When any of 4 lamps becomes out, Lamp Mode is changed over from 4 lamps to 2 lamps. And when any of 2 lamps are out, a projector operates with 1 lamp. But, in case of combination that the Lamp of 1-4, or 2-3 does not light up, it becomes a 2 lamps mode.

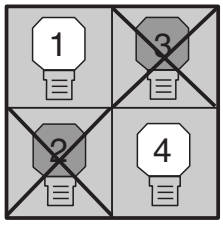
Lamp Mode can be switched to 4 lamps or 2 lamps manually. Refer to SETTING section of Owner's manual.



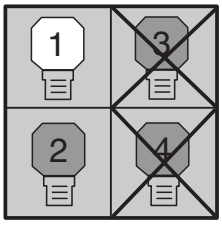
4 LAMP MODE



2 LAMP MODE (Example)



2 LAMP MODE (Example)

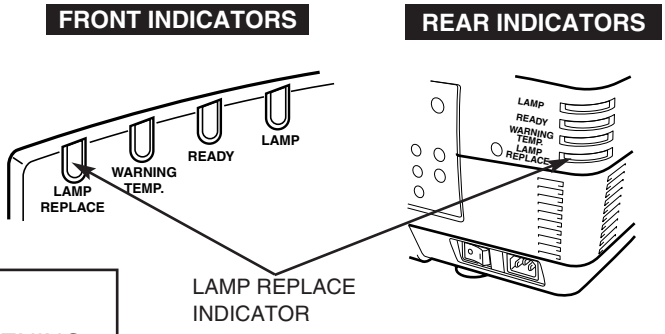


1 LAMP MODE (Example)

LAMP REPLACEMENT

When the life of the projection lamp of this projector draws to an end, the LAMP REPLACE indicator lights yellow. If this indicator lights yellow, replace the lamp with a new one promptly.

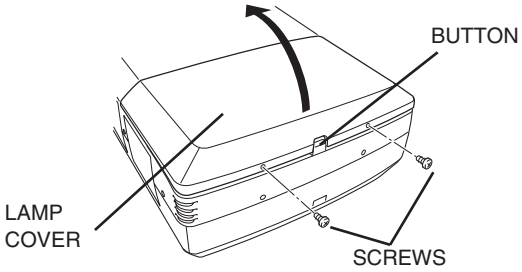
The time when the LAMP REPLACE indicator lights is depending on the lamp mode.

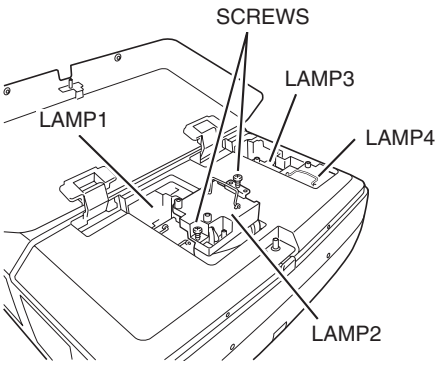


WARNING :
TURN OFF THE UV LAMP BEFORE OPENING THE LAMP COVER. USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING.

Follow these steps to replace lamp assembly.

1. Check number of lamp to be replaced on Lamp Status Display.
2. Turn off a projector and disconnect AC Power Cord. Allow a projector to cool down for at least 45 minutes.
3. Remove two screws on Lamp Cover and press button to open Lamp Cover. (See right figure.)
4. Loosen two screws and pull out Lamp Assembly to be replaced by grasping handle.
5. Replace Lamp Assembly with a new one and tighten two screws. Make sure Lamp is set properly.
6. Replace Lamp Cover and tighten two screws.
7. Connect AC Power Cord to a projector and turn a projector on.
8. Reset Lamp Replacement Counter. (Refer to section "Lamp Replace Counter".)





Make sure which number of lamp needs to be replaced on Lamp Status Display. Figure shows case of replacing LAMP 2.

NOTE : Do not reset LAMP REPLACEMENT COUNTER when lamp is not replaced.

CAUTION : Do not operate a Projector while any of lamps removed. It may result in malfunctions, fire hazard, or other accidents.

CAUTION : High pressure lamp may explode if improperly handled.

Refer to lamp replacement instructions.

NOTES ON LAMP REPLACEMENT

To maintain quality of picture (better balance of color and brightness in entire screen), we recommend replacing all 4 lamps at a time.

CAUTION
For continued safety, replace with a lamp assembly of same type.
Allow a projector to cool for at least 45 minutes before you open Lamp Cover. Inside of a projector can become very hot.

CAUTION
Do not drop a lamp assembly or touch a glass bulb! Glass can shatter and may cause injury.

CAUTION
HIGH VOLTAGE
HOT

LAMP REPLACE COUNTER

Be sure to reset Lamp Counter when Lamp Assembly is replaced. When Lamp Replace Counter is reset, LAMP REPLACE indicator stops lighting.

1 Turn projector on, press MENU button and ON-SCREEN MENU will appear. Press POINT LEFT/RIGHT button(s) to move a red frame pointer to SETTING Menu icon.

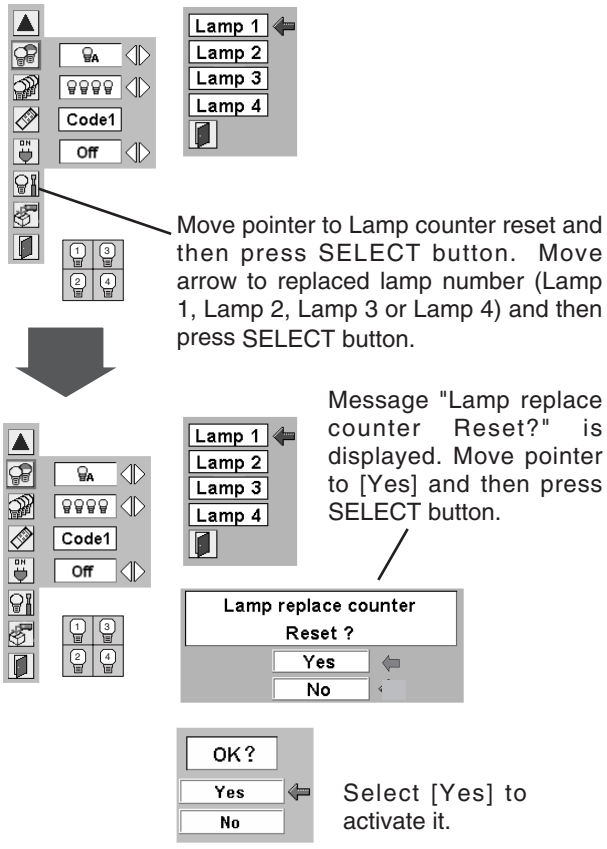
2 Press POINT DOWN button to move a red frame pointer to "Lamp counter reset" and then press SELECT button.

3 Move arrow to replaced lamp number (Lamp 1, Lamp 2, Lamp 3 or Lamp 4) and then press SELECT button. Message "Lamp replace counter Reset?" is displayed. Move pointer to [Yes] and then press SELECT button.

NOTE: Be sure to reset correct lamp number otherwise LAMP REPLACE indicator continues lighting.

4 Another confirmation dialog box appears and select [Yes] to reset Lamp Replace Counter.

Do not reset Lamp Replace Counter except after Projection lamp is replaced.


Code1
Off
Lamp 1
Lamp 2
Lamp 3
Lamp 4
Move pointer to Lamp counter reset and then press SELECT button. Move arrow to replaced lamp number (Lamp 1, Lamp 2, Lamp 3 or Lamp 4) and then press SELECT button.
Message "Lamp replace counter Reset?" is displayed. Move pointer to [Yes] and then press SELECT button.
Lamp replace counter
Reset ?
Yes
No
OK?
Yes
No
Select [Yes] to activate it.

ORDER REPLACEMENT LAMP

Replacement Lamp can be ordered through your dealer. When ordering a Projection Lamp, give the following information to the dealer.

- **Model No. of your projector : PLC-XF46N / PLC-XF46E**
- **Replacement Lamp Type No. : POA-LMP100**

(Service Parts No. 610 327 4928)

LAMP HANDLING PRECAUTIONS

This projector uses a high-pressure lamp which must be handled carefully and properly. Improper handling may result in accidents, injury, or create a fire hazard.

- Lamp lifetime may differ from lamp to lamp and according to the environment of use. There is no guarantee of the same lifetime for each lamp. Some lamps may fail or terminate their lifetime in a shorter period of time than other similar lamps.
- If the projector indicates that the lamp should be replaced, i.e., if the LAMP REPLACE INDICATOR lights up, replace the lamp with a new one IMMEDIATELY after the projector has cooled down. (Follow carefully the instructions in the LAMP REPLACEMENT section of owner's manual.) Continuous use of the lamp with the LAMP REPLACE INDICATOR lighted may increase the risk of lamp explosion.
- A Lamp may explode as a result of vibration, shock or degradation as a result of hours of use as its lifetime draws to an end. Risk of explosion may differ according to the environment or conditions in which the projector and lamp are being used.

IF A LAMP EXPLODES, THE FOLLOWING SAFETY PRECAUTIONS SHOULD BE TAKEN.

If a lamp explodes, disconnect the projector's AC plug from the AC outlet immediately. Contact an authorized service station for a checkup of the unit and replacement of the lamp. Additionally, check carefully to ensure that there are no broken shards or pieces of glass around the projector or coming out from the cooling air circulation holes. Any broken shards found should be cleaned up carefully. No one should check the inside of the projector except those who are authorized trained technicians and who are familiar with projector service. Inappropriate attempts to service the unit by anyone, especially those who are not appropriately trained to do so, may result in an accident or injury caused by pieces of broken glass.

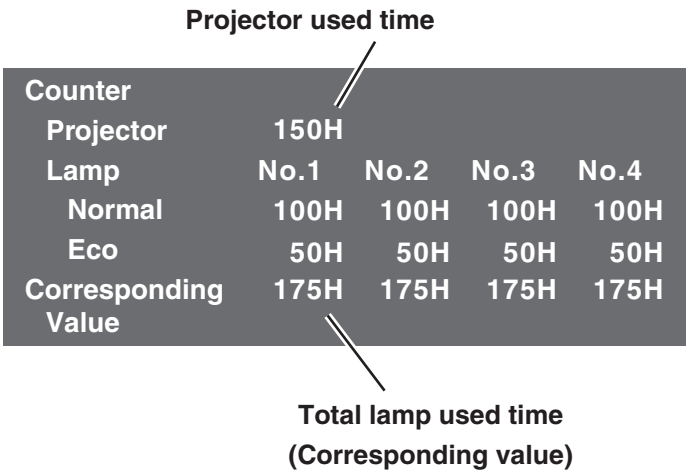
● How to check Lamp Used Time

The LAMP REPLACE indicator will light yellow when the total lamp used time (corresponding value) reaches 2,500 hours - (✻). This is to indicate that lamp replacement is required.
The total lamp used time is calculated by using the below expression;

Total lamp used time = **T***eco* + **T***normal* x 1.25 - (✻)
T*eco* : used time in the Eco mode
T*normal* : used time in the Normal and Auto mode

You can check the lamp replacement counter following to below procedure.

1 Press and hold **POWER ON-OFF** button on the side control of the projector or the remote control unit for more than 20 seconds.
2 The projector used time and lamp used time will be displayed on the screen briefly.



(✻) The specifications are subject to change without notice.

■ Maintenance and Cleaning

After long periods of use, dust and other particles will accumulate on the LCD panel, prism, mirror, polarized glass, lens, etc., causing the picture to darken or color to blur. If this occurs, clean the inside of optical unit.
Remove dust and other particles using air spray. If dirt cannot be removed by air spray, disassemble and clean the optical unit.

● **Cleaning with air spray**

1. Remove the cabinet top following to "Mechanical Disassemblies".
2. Clean up the LCD panel and polarized glass by using the air spray from the cabinet top opening.

Caution:

Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment. Use a resin-based nozzle only. Be vary careful not to damage optical parts with the nozzle tip. Never use any kind of cleanser on the unit. Also, never use abrasive materials on the unit as this may cause irreparable damage.

● **Disassembly Cleaning**

Disassembly cleaning method should only be performed when the unit is considerable dirty and cannot be sufficiently cleaned by air spraying alone.
Be sure to readjust the optical system after performing disassembly cleaning.

1. Remove the cabinet top and main units following to "Mechanical Disassemblies".
2. Remove the optical base top following to"Optical Unit Disassemblies". If the LCD panel needs cleaning, remove the LCD panel unit following to "LCD panel/Prism ass'y replacement".
3. Clean the optical parts with a soft cloth. Clean extremely dirty areas using a cloth moistened with alcohol.

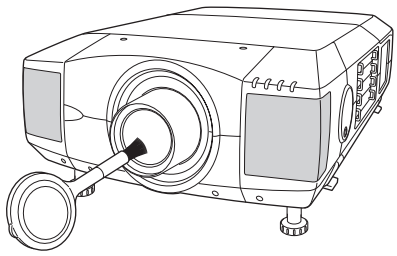
Caution:

The surface of the optical components consists of multiple dielectric layers with varying degrees of refraction.
Never use organic solvents (thinner, etc.) or any kind of cleanser on these components.
Since the LCD panel is equipped with an electronic circuit, never use any liquids (water, etc.) to clean the unit. Use of liquid may cause the unit to malfunction.

Cleaning the Projection Lens

Unplug the AC power cord before cleaning.

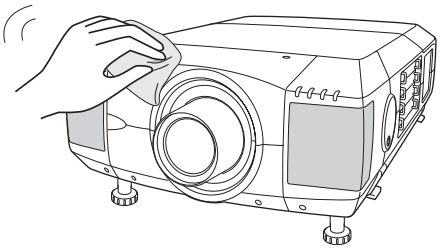
Gently wipe the projection lens with a cleaning cloth that contains a small amount of non-abrasive camera lens cleaner, or use a lens cleaning paper or a commercially available air blower to clean the lens. Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents, or other harsh chemicals might scratch the surface of the lens.



Cleaning the Projector Cabinet

Unplug the AC power cord before cleaning.

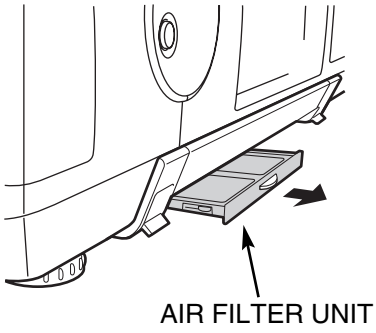
Gently wipe the projector body with a dry soft cloth. When the cabinet is heavily soiled, apply a small amount of mild detergent and finish with a dry soft cloth. Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents, or other harsh chemicals might scratch the surface of the cabinet.



AIR FILTER CARE AND CLEANING

Air Filter prevents dust from accumulating on surface of Projection Lens and Projection Mirror. Should Air Filter become clogged with dust particles, it will reduce Cooling Fans' effectiveness and may result in internal heat build up and adversely affect life of a projector.
Clean Air Filter following steps below:

1. Turn power off, and disconnect AC power cord from AC outlet.
2. Pull out air filter unit from the projector.
3. Pulling up center frame of air filter top, separate air filter top and sheet from air filter base.
4. Clean each parts with brush out dust and particles.
5. Assemble sheet, air filter top and air filter base, and replace air filter unit to a projector.

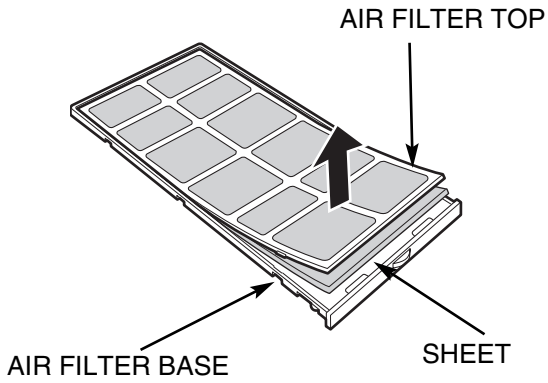


NOTE: If the dust cannot be removed by cleaning, it is probably time to replace the air filters with new ones.

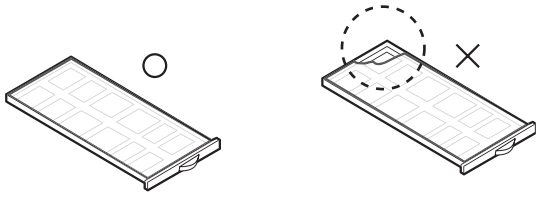
Air Filter Sheet : Parts No. 610 301 4814

CAUTION

- Do not operate a projector with air filter removed. Or dust may accumulate on LCD panel and Mirror degrading picture quality.
- Do not put small parts into air Intake Vents. Or It may result in malfunction of a projector.
- The filter be careful and handle. The effect of the filter runs out in case of a leak and it being broken off.



Caution; Assembles sheet and filter base



■ Mechanical Disassemblies

Disassemble should be made following procedures in numerical order.
Following steps show the basic procedures, therefore unnecessary step may be ignored.

Caution:

The parts and screws should be placed exactly the same position as the original, otherwise it may cause loss of performance and product safety.

The wiring method of the leads and ferrite cores should be returned exactly the same state as the original, otherwise it may cause loss of performance and product safety.

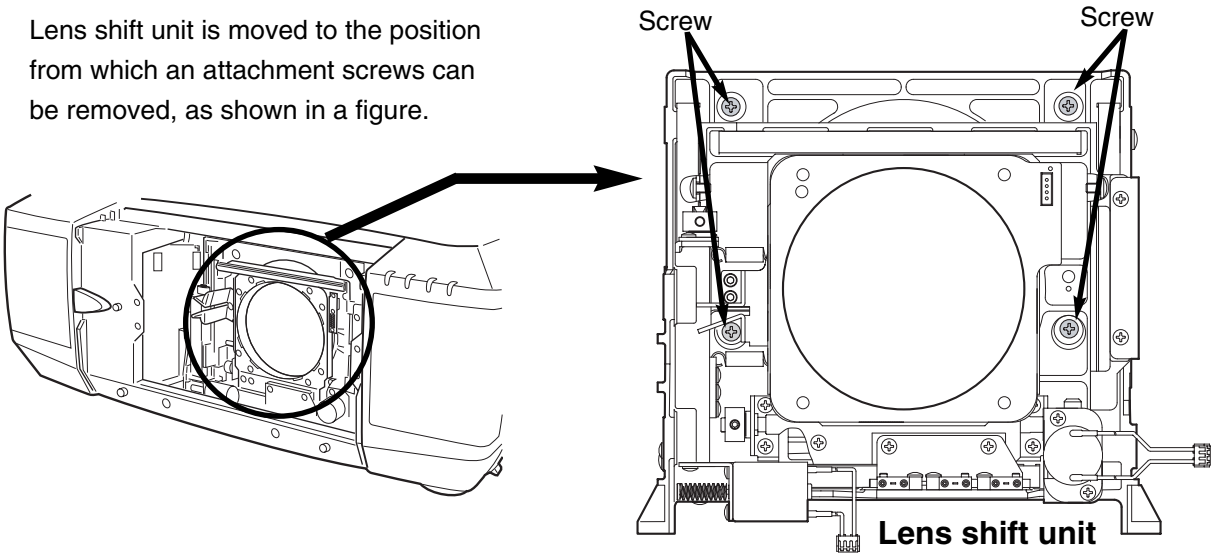
Screws Expression (Type Diameter x Length) mm	
T type	M Type
Tapping screw	Machine screw

Before Disassemblies :

Turn off a projector and disconnect the AC power cord.

When remove the lens shift unit, shift to the position from which the attachment screws of a lens shift unit and an optical base unit can be removed.

Lens shift unit is moved to the position from which an attachment screws can be removed, as shown in a figure.



1-1 Cabinet front top unit and Cabinet front bottom unit removal.

Note : Be careful not to damage Hook. The cabinet front top unit is being fixed with cabinet front bottom by hook.

1. Remove 2 screws-A.
   Push part(a) and pull the Cabinet front top unit upward.
2. Remove 4 screws-B and remove the Cabinet front bottom unit.
   (See Fig.1-1)

Refer to Lens replacement and installation manual.

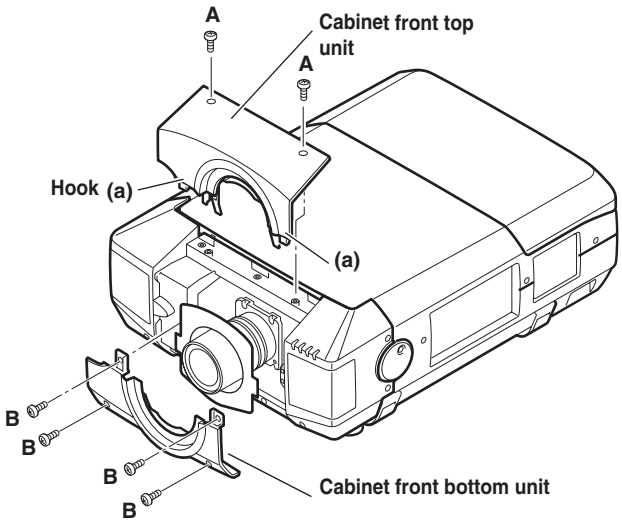


Fig.1-1

1-2 Cabinet front unit removal.

1. Remove 11 screws and remove the Cabinet front unit.
   (See Fig.1-2)

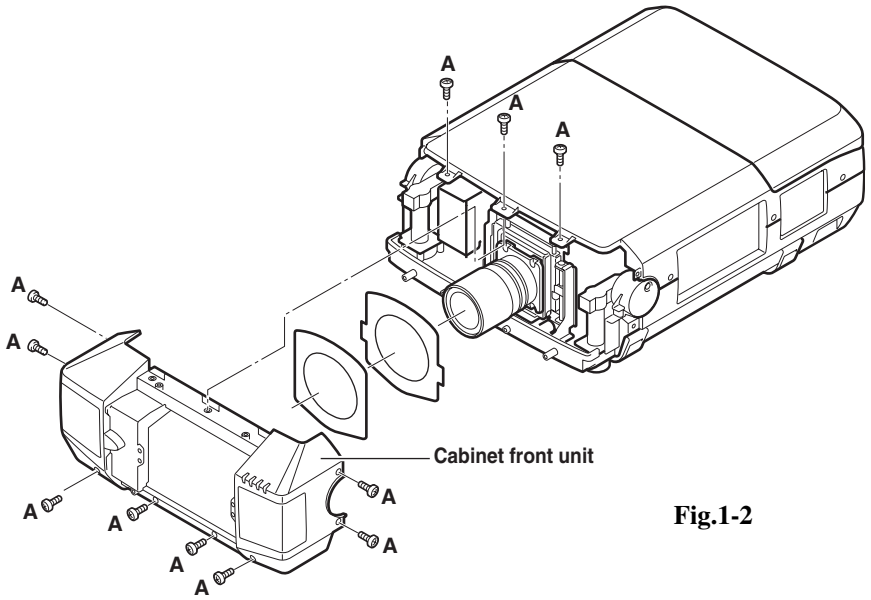


Fig.1-2

1-3 Cabinet front top unit disassemblies.

1. Remove 4 screws and remove the Mounting cover lens-A.
2. Remove 2 Spring coils and remove Cover lens-A.
   (See Fig.1-3)

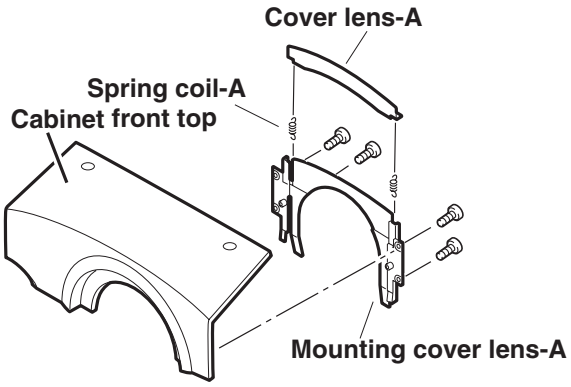


Fig.1-3

1-4 Cabinet front bottom unit disassemblies.

1. Remove 4 screws and remove the Mounting cover lens-B.
2. Remove 2 Spring coils and remove Cover lens-A.
   (See Fig.1-4)

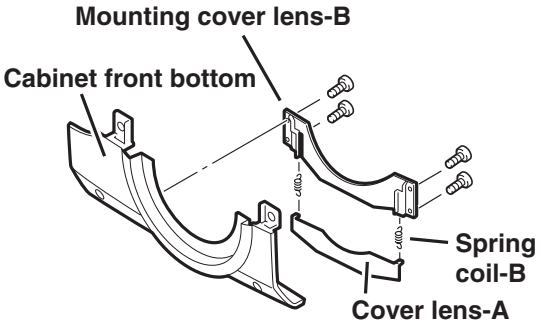


Fig.1-4

1-5 Speaker boxes and Front LED Board removal.

1. Remove 4 screws-A and remove the Speaker box-A.
2. Remove 4 screws-B and remove the Speaker box-B.
3. Remove 2 screws-C and remove the Front LED Board.
   (See Fig.1-5)

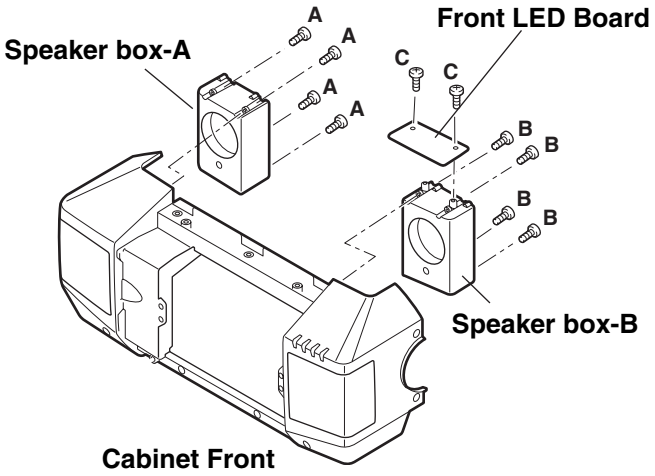


Fig.1-5

1-6 Speaker units disassemblies.

1. Remove 4 screws-A and remove the Mounting SP-D.
2. Remove 4 screws-B and remove the Mounting SP-C.
   (See Fig.1-6)

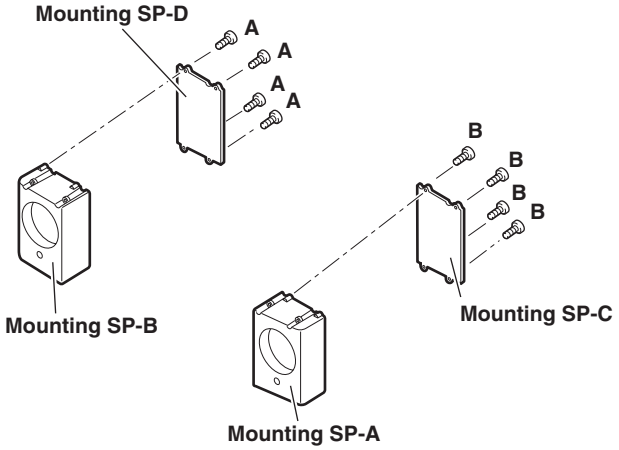


Fig.1-6

1-7 Decoration Inlays and R/C-1 Board removal.

1. Remove screw-A and remove the R/C-1 Board.
2. Remove 2 screws-B and remove the DEC Inlay R/C-F.
3. Remove 2 screws-C and remove the DEC Inlay-A.
   (See Fig.1-7)

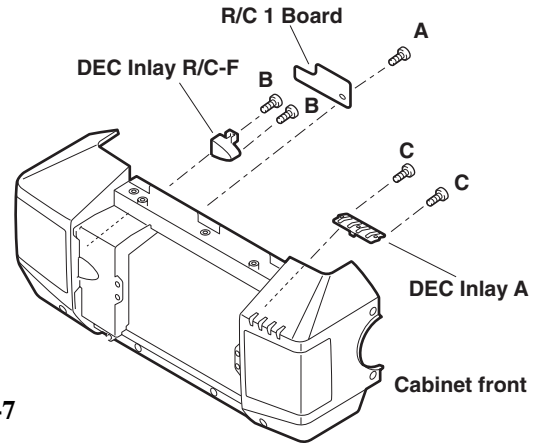


Fig.1-7

1-8 Speaker Grills and Nets removal.

1. The bent portion is stretched and remove the Grille SP-L, remove the Grille SP-R from cabinet front.
2. Remove the Nets.
   (See Fig.1-8)

Mark the Grills as they are removed from the Cabinet front so that they may be reassembled in the same location from which they were removed. Be careful of the attached direction of Grills.

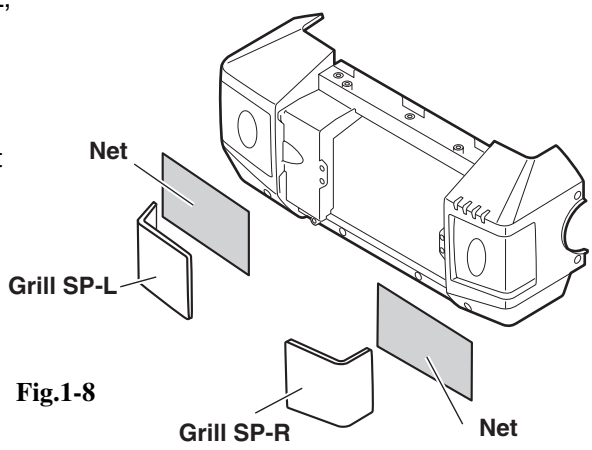


Fig.1-8

2-1 Cabinet-top unit removal.

1. Remove 8 screws and remove the Cabinet top unit.
   (See Fig.2-1)

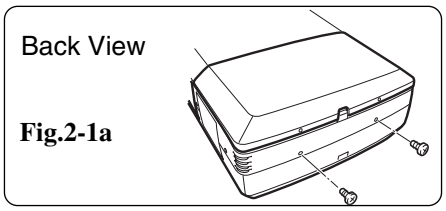


Fig.2-1a

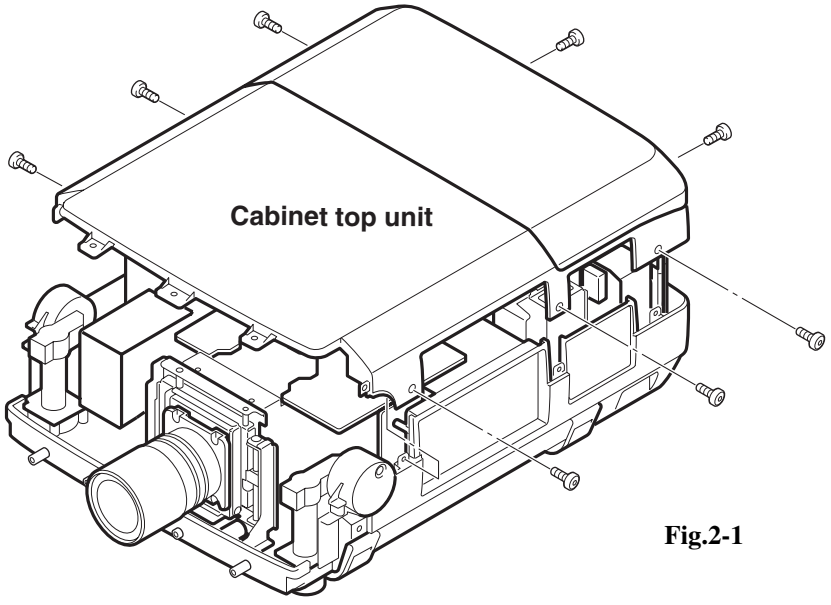


Fig.2-1

2-2 Lamp cover and Push Latch-B removal.

1. Remove 2 screws-A and press button to open the Lamp cover.
2. Remove 4 screws-B and remove the Lamp cover.
3. Remove 2 screws-C and remove the Push Latch-B.
   (See Fig.2-2, 2-2a)

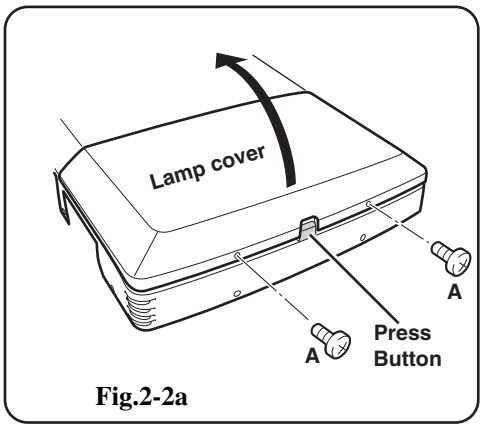


Fig.2-2a

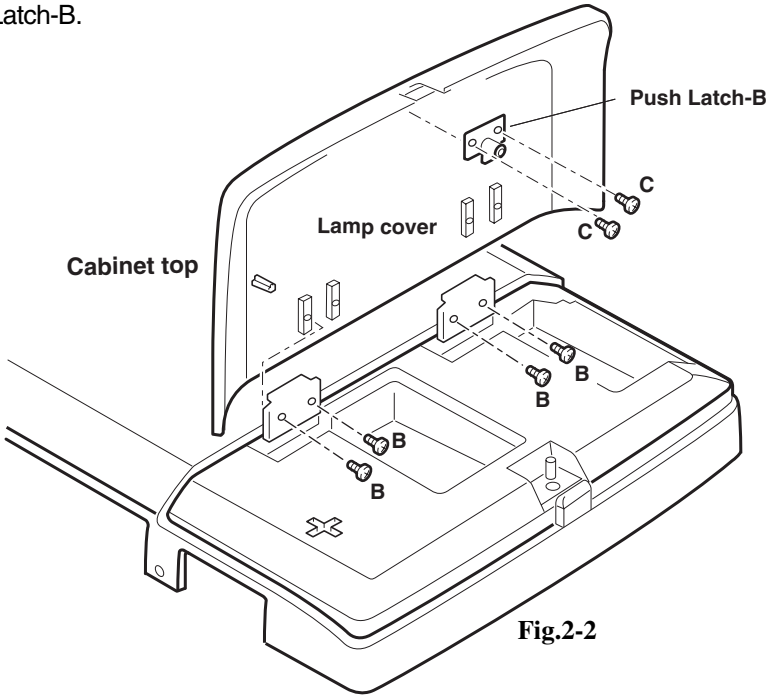


Fig.2-2

2-3 Decoration Inlay-B, Push Latch-A, and Hinges removal.

1. Remove 4 screws-A and remove the 2 Hinges.
2. Remove 2 screws-B and remove the push Latch-A.
3. Remove DEC Inlay-B. (Unhook the Cabinet top and take the DEC Inlay off inside.)
   Push part(a) and pull the DEC Inlay inside.
   (See Fig.2-3, 2-3a)

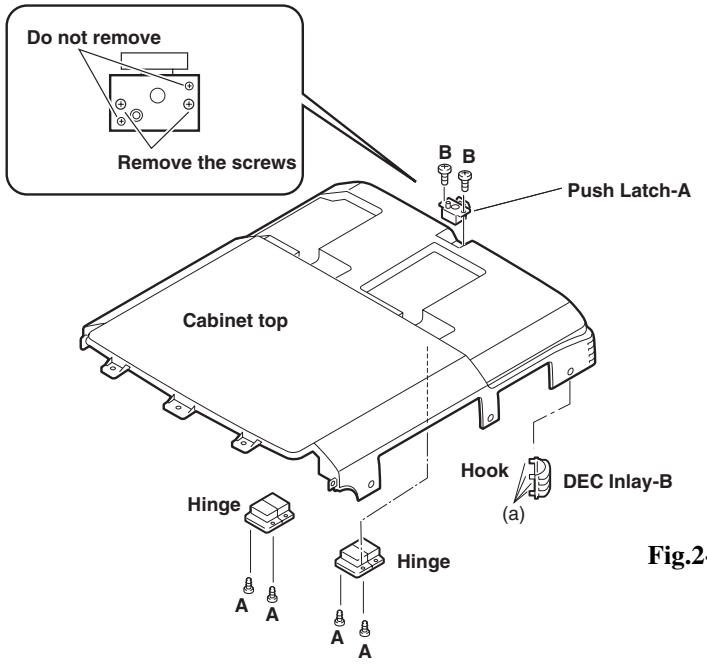


Fig.2-3a

Fig.2-3

3 Main Board removal.

1. Remove 6 screws-A and remove the Main Board.
   (See Fig.3)

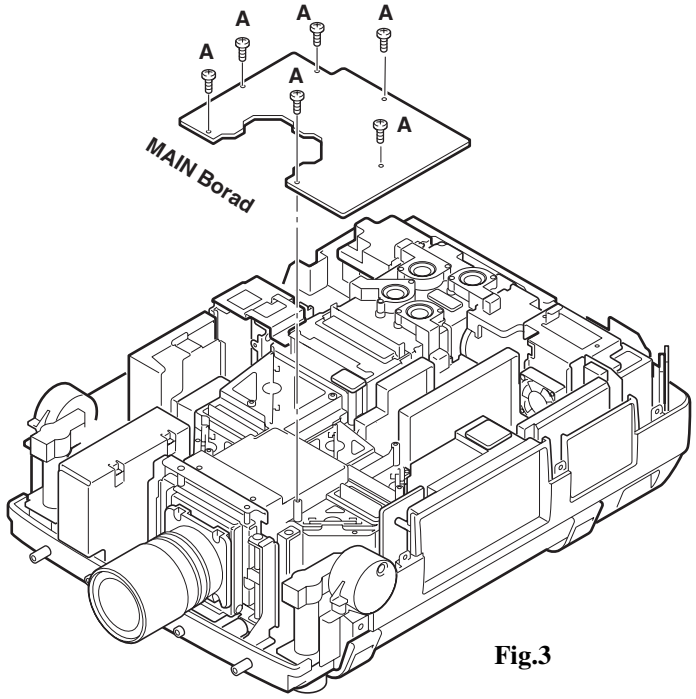


Fig.3

4-1 Control switch unit and Terminal slots unit removal.

1. Remove the Control switch unit upward.
2. Remove the Terminal slots unit upward.
   (See Fig.4-1)

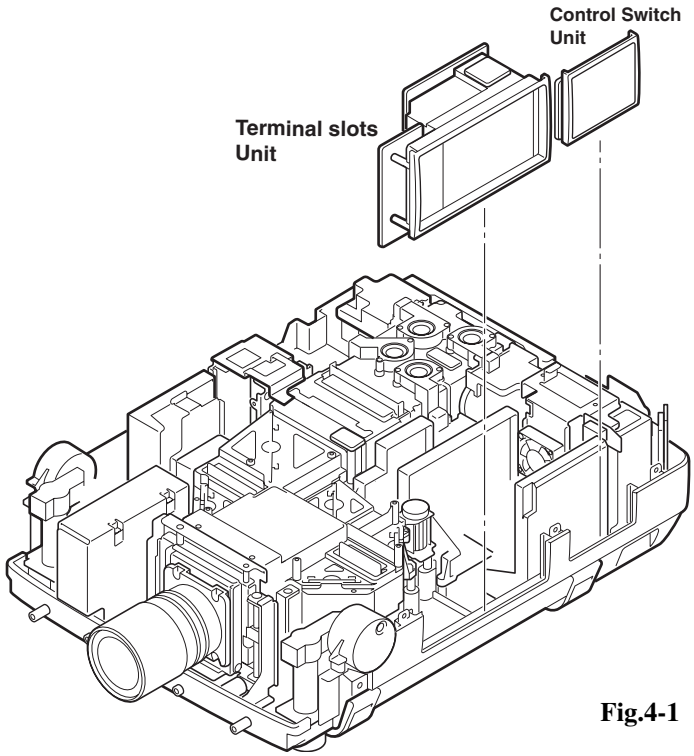


Fig.4-1

4-2 Terminal Board units and RS232C Board removal.

1. Remove 8 screws-A and remove the Terminal Board units 1-4.
2. Remove screw-B.
3. Remove 4 screws-C and remove the RS232C Board.
4. Remove screw-D, remove washer and remove Grounding Lead from the RS232C Board.
   (See Fig.4-2)

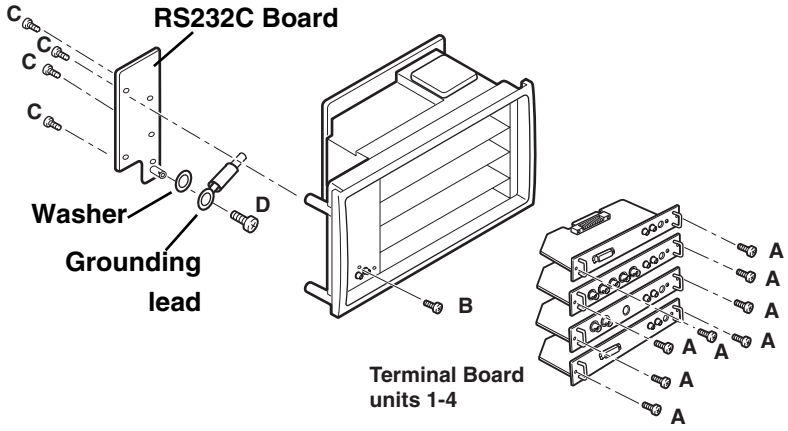


Fig.4-2

4-3 Terminal Slot units disassemblies.

1. Remove 2 screws-A and remove the Lamp net Board.
2. Remove 2 screws-B and remove the Holder-B.
3. Remove 3 screws-C, remove the Holder-A and remove the CG Mother Board.
4. Remove 2 screws-D, remove 2 washers and remove Grounding Lead from the CG Mother Board.
   (See Fig.4-3)

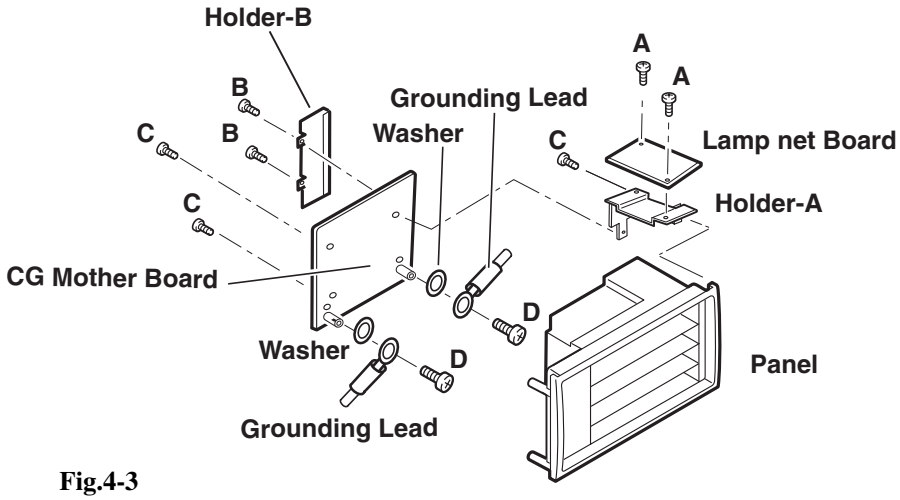


Fig.4-3

4-4 Control Switch unit disassemblies.

1. Remove 4 screws, remove the Control Button and remove the Control Board.
   (See Fig.4-4)

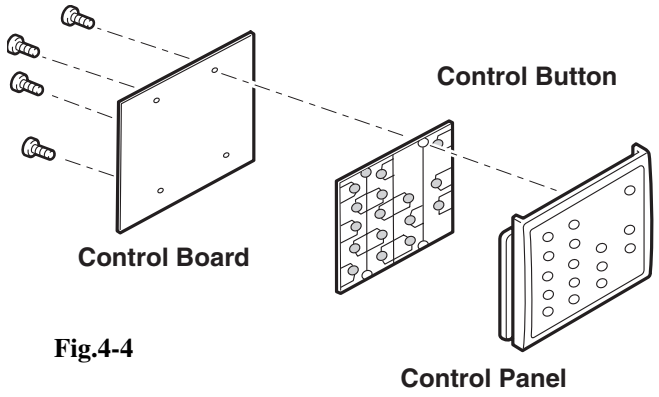


Fig.4-4

4-5 Terminal Board DVI disassemblies.

1. Remove 2 screws-A, remove screw-B, remove screw-C, and remove the Terminal Board DVI.
2. Remove 2 screws-D, remove the Holders and remove the Earth BRKT Slot.
3. Remove 4 screws-F and remove the Handles.
   (See Fig.4-5)

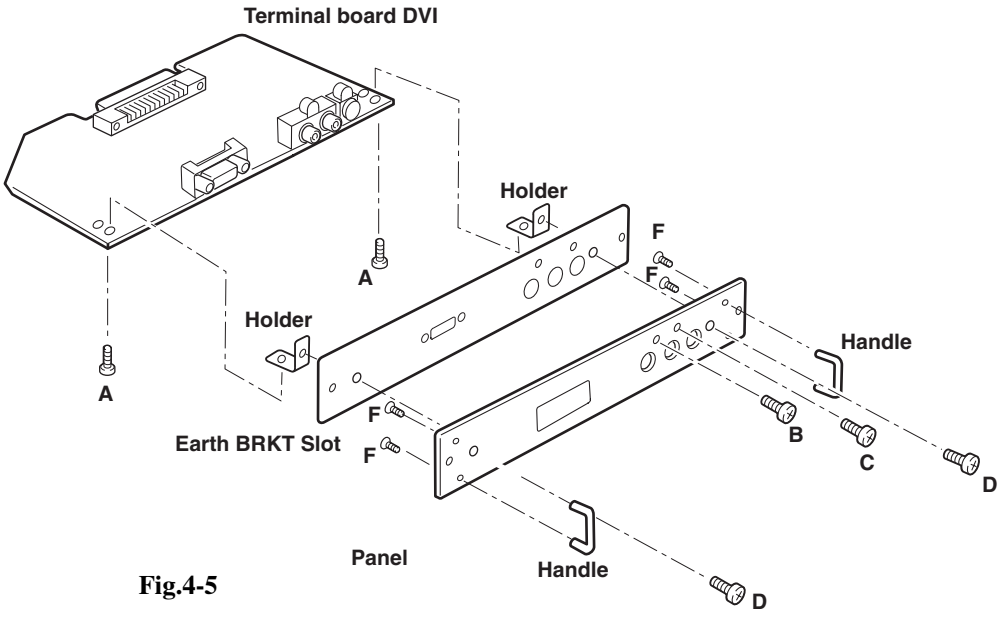


Fig.4-5

4-6 Terminal Board Component disassemblies.

1. Remove 2 screws-A ,remove 2 screws-B, remove screw-C,remove screw-D and remove the Terminal Board Component.
2. Remove 2 screws-E, remove the Holders and remove the Earth BRKT Slot.
3. Remove 4 screws-G and remove the Handles.
   (See Fig.4-6)

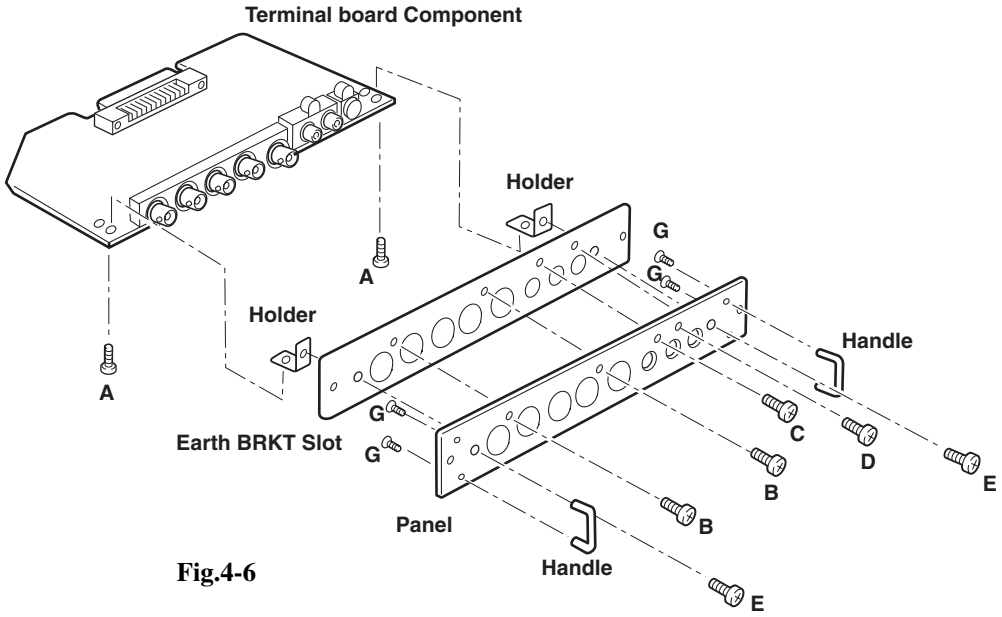


Fig.4-6

4-7 Terminal Board D-SUB15 disassemblies.

1. Remove 2 screws-A ,remove screw-B, remove screw-C and remove the Terminal Board D-SUB15.
2. Remove 2 screws-D, remove the Holders and remove the Earth BRKT Slot.
3. Remove 4 screws-F and remove the Handles.
   (See Fig.4-7)

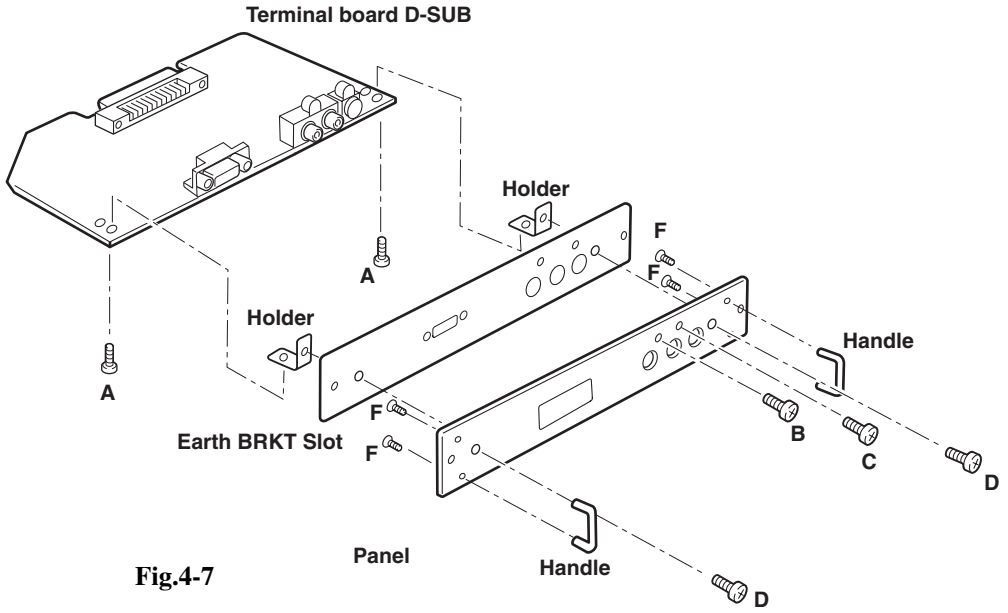


Fig.4-7

4-8 Terminal Board AV disassemblies.

1. Remove 2 screws-A, remove screw-B, remove screw-C,remove screw-D, remove the Heat sink and remove the Terminal Board AV.
2. Remove 2 screws-E, remove the Holders and remove the Earth BRKT Slot.
3. Remove 4 screws-G and remove the Handles.
   (See Fig.4-8)

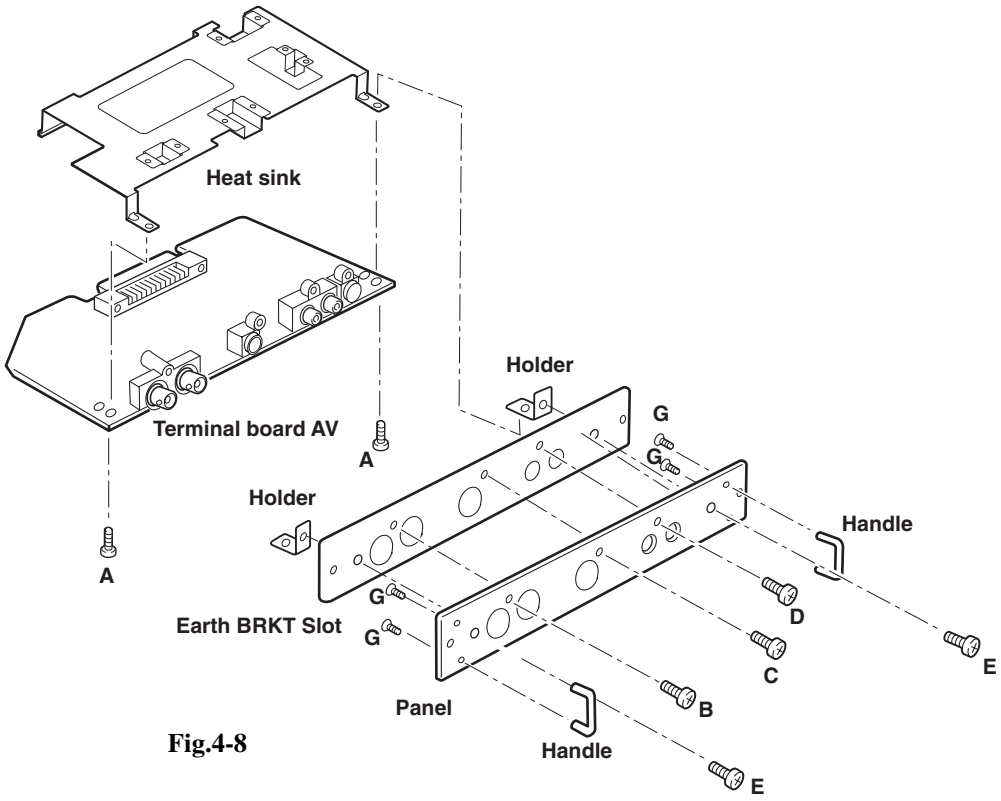


Fig.4-8

5-1 Fan(FN901) removal.

1. Remove 3 screws-A and remove the Fan(FN901).
   (See Fig.5-1)

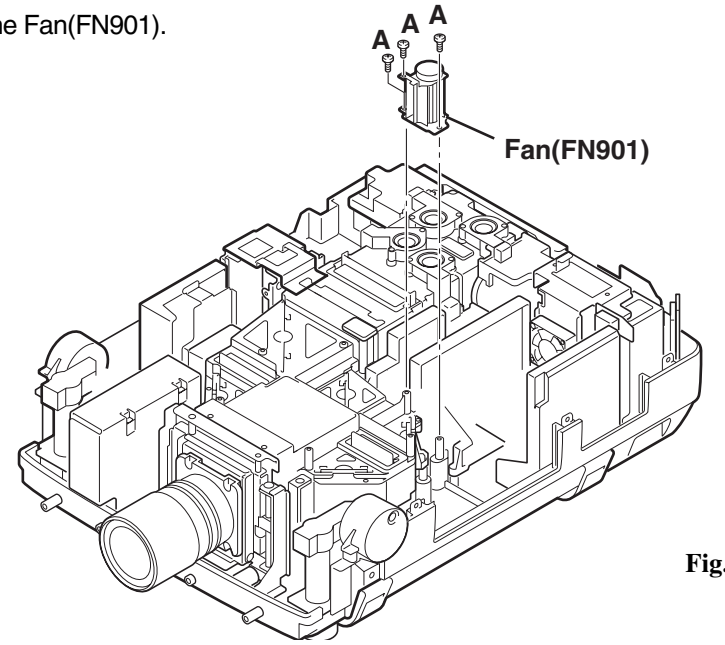


Fig.5-1

5-2 Switch Power Supply(25V) unit removal.

1. Remove 4 screws-A, remove screw-B and remove the Switch power supply(25V) unit.
   (See Fig.5-2)

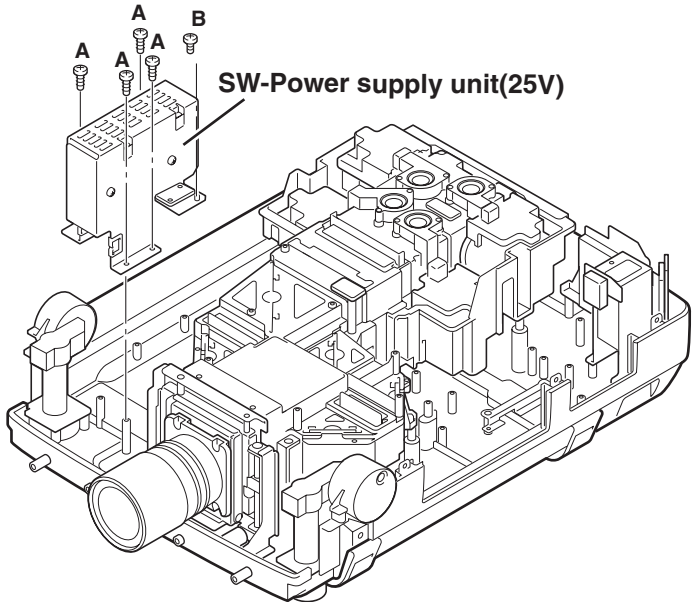


Fig.5-2

5-3 Switch Power Supply(25V) unit disassemblies.

1. Remove 2 screws-A and remove the Switch power supply(25V)Board.
2. Unhook the 4 Fixer Clamps and remove the Motor &Audio Board.
3. Remove 2 screws-B and remove the F-G net Board.
4. Remove 3 screws-C, remove 3 washers and remove the grounding lead.
   (See Fig.5-3)

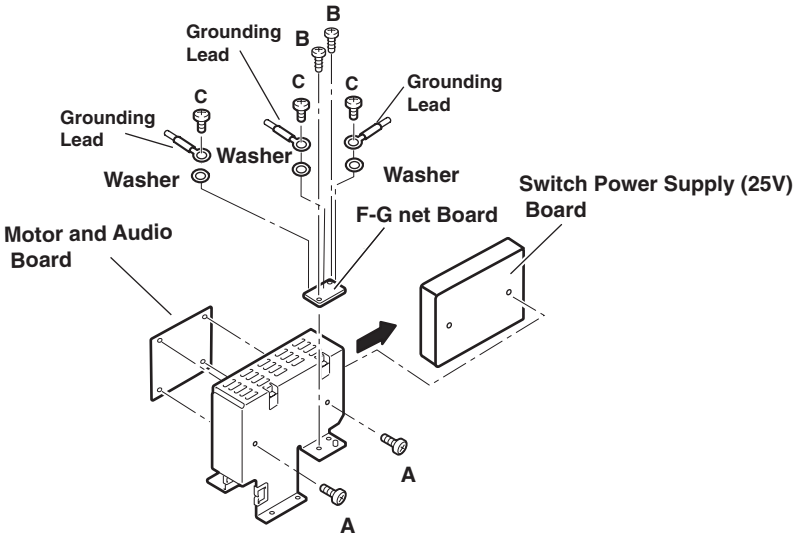


Fig.5-3

The Motor and Audio Board is fixed with holder by hook.

5-4 Lamp Ballast Units removal.

1. Remove screws-C, remove washer and remove the grounding lead. (Lamp ballast 3-4 units. See Fig.5-4)

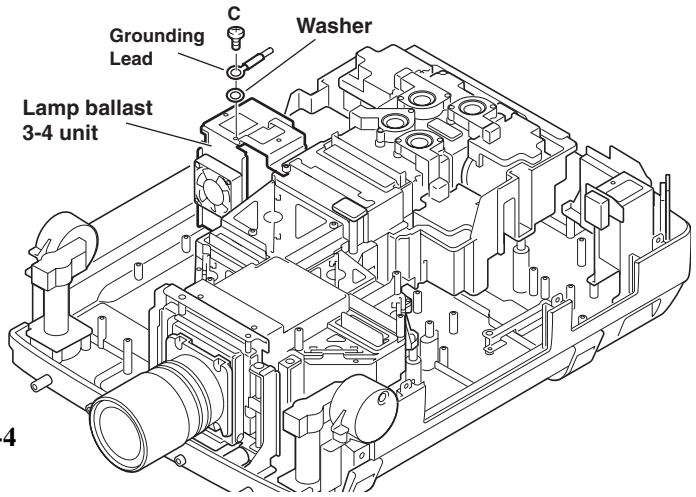


Fig.5-4

2. Remove screw-A, remove washer and remove the grounding lead from the Holder.
   (Lamp ballast 1-2 units. See Fig.5-4a)
3. Remove 2 screws-B and remove the Holder-D.
4. Remove the Lamp Ballast Unit1 and Lamp Ballast Unit2.
5. Remove 3 screws-F and remove the Holder-F.
6. Remove 2 screws-D, remove screw-E and remove the Holder-E.
7. Remove the Lamp Ballast Unit3 and Lamp Ballast Unit4.
   (See Fig.5-4, 5-4a, 5-4b,)

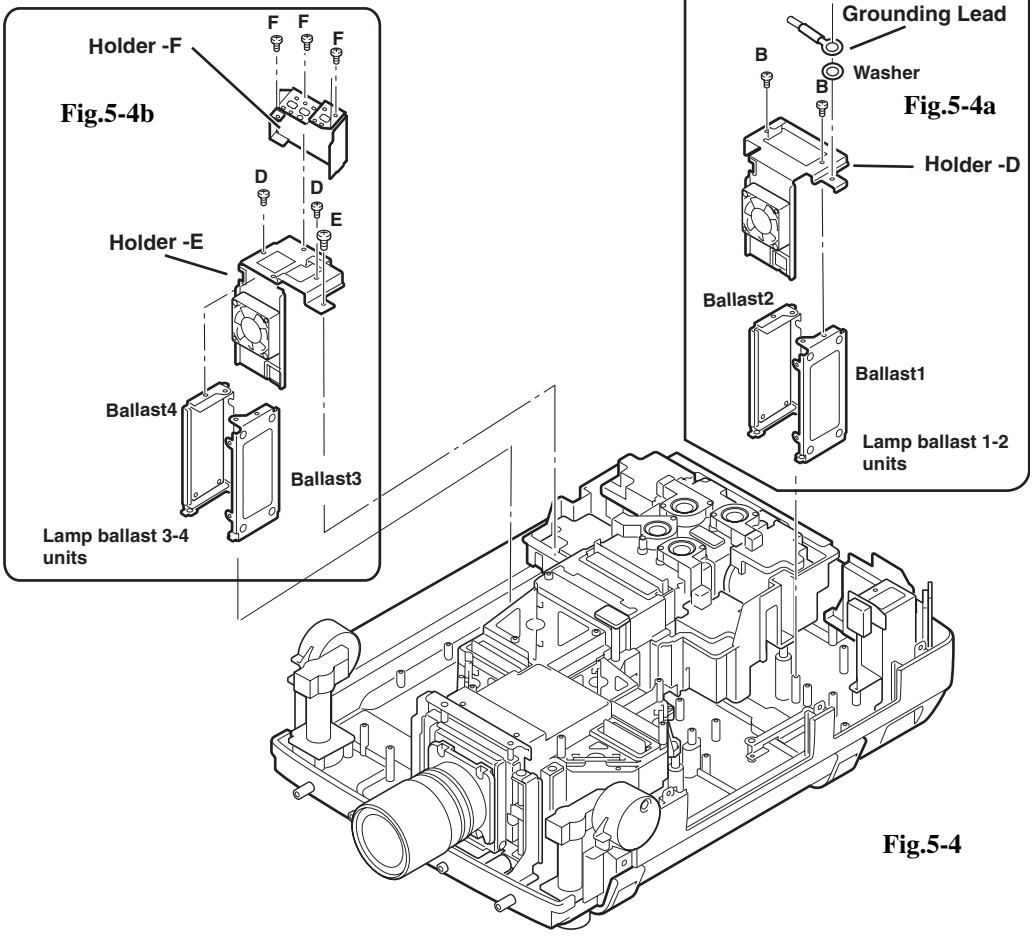


Fig.5-4

5-5 Lamp Ballast Units disassemblies.

Lamp Ballast Units 1-2

1. Remove 2 screws-A, remove the Fan(FN908) and FAN Guard.
2. Remove Lamp Ballast unit 1 and remove the Spacer.
   (Unhook the Fixer Clamp and remove the Lamp Ballast unit .)
3. Remove Lamp Ballast unit 2 and Spacer.
   (Unhook the Fixer Clamp and remove the Lamp Ballast unit .)
   (See Fig.5-5a)

Lamp Ballast Units 3-4

4. Remove 2 screws-B, remove the Fan(FN907) and FAN Guard.
5. Remove Lamp Ballast unit 3 and Spacer.
   (Unhook the Fixer Clamp and remove the Lamp Ballast unit .)
6. Remove Lamp Ballast unit 4 and remove the Spacer.
   (Unhook the Fixer Clamp and remove the Lamp Ballast unit .)
   (See Fig.5-5b)

Note;

Mark the Fans as they are removed from the holder so that they may be reassembled in the same location from which they were removed. Be careful of the attachment direction of Fans.
See arrow mark in a figure.
Ballast units may be reassembled in the same location and direction from which they were removed.
Be careful of the attached direction of Ballast units.

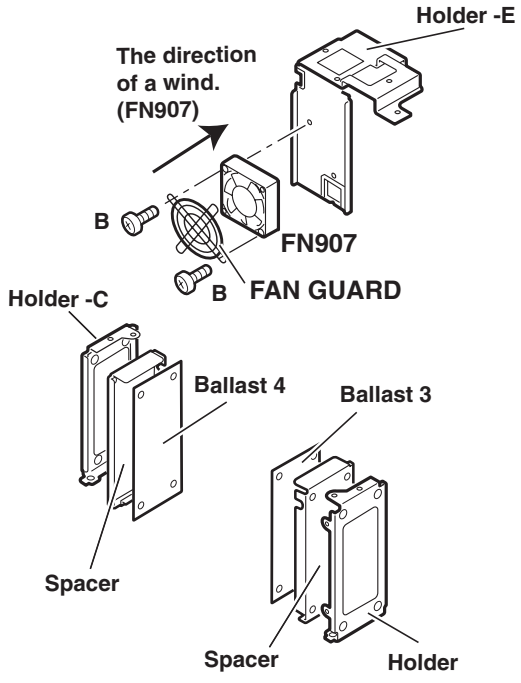


Fig.5-5b

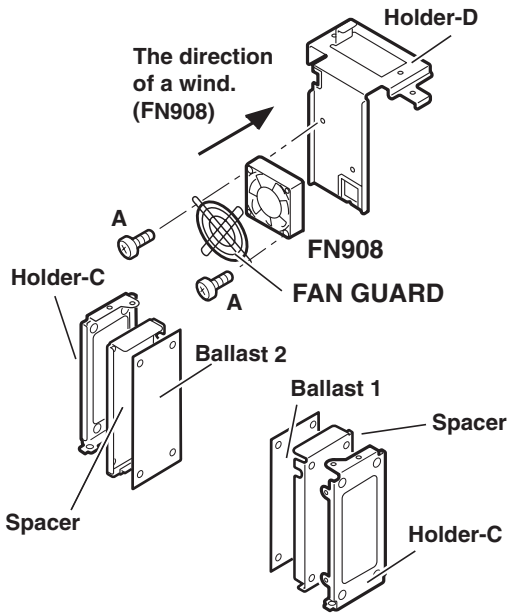


Fig.5-5a

The Ballast Board is being fixed with Holder by hook. (4places)

5-6 PFC Unit 3-4 and Power Unit removal.

PFC Unit 3-4 removal.

1. Remove 4 screws-A and remove the PFC 3-4 Unit.
2. Remove 4 screws-B and remove the Fan (FN914).
3. Remove 3 screws-C and remove the Holder FN.
4. Remove 4 screws-D and remove the PFC 3-4 Board.
5. Remove 2 screws-E and remove the AC net Board.
   (See Fig.5-6, 5-6a)

Note;

Mark the Fans as they are removed from the holder so that they may be reassembled in the same location from which they were removed. Be careful of the attached direction of Fan.
See arrow mark in a figure.
PWB board may be reassembled in the same location and direction from which they were removed. Be careful of the attached direction of PWB board.

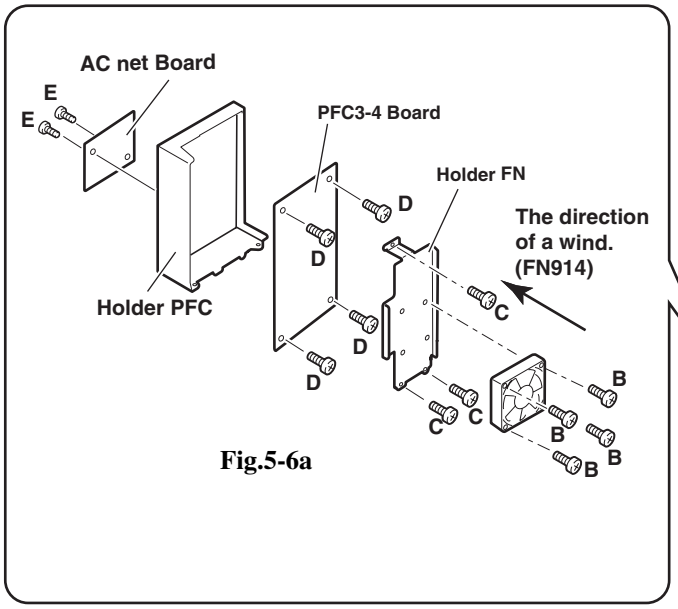


Fig.5-6a

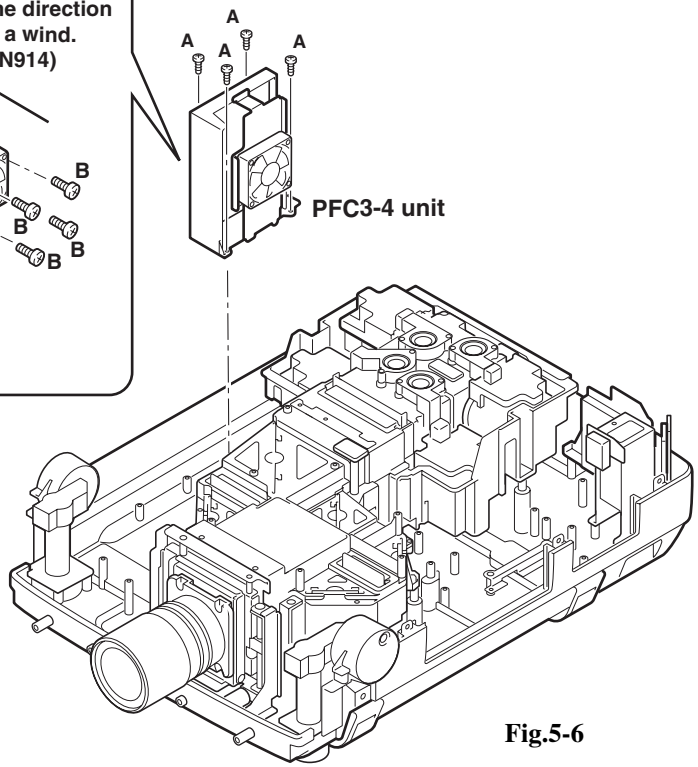


Fig.5-6

5-7 Power Unit removal.

Power Unit removal.

1. Remove 2 screws-A, remove 2 screws-B and remove the Power Unit.
2. Remove 4 screws-C and remove the Power Board.
   (See Fig.5-7, 5-7a)

Current sensor removal and replacement.
(Current sensor is used only for PLV-HD2000E.)

1. Unhook the part(a) and remove the current sensor.

Note:The way of installing a current sensor is very important on the performance and the safety. Install in the condition which is the same as the time of disassemble.

Replacement

1. The Current sensor is attached in the blue lead wire between a noise filter (LF901) and power unit (K6A).
2. The Current sensor (L) side is attached in the K6A side.
   Refer to schematic diagrams.

PWB board may be reassembled in the same location and direction from which they were removed. Be careful of the attached direction of PWB board.
(See Fig.5-7b)

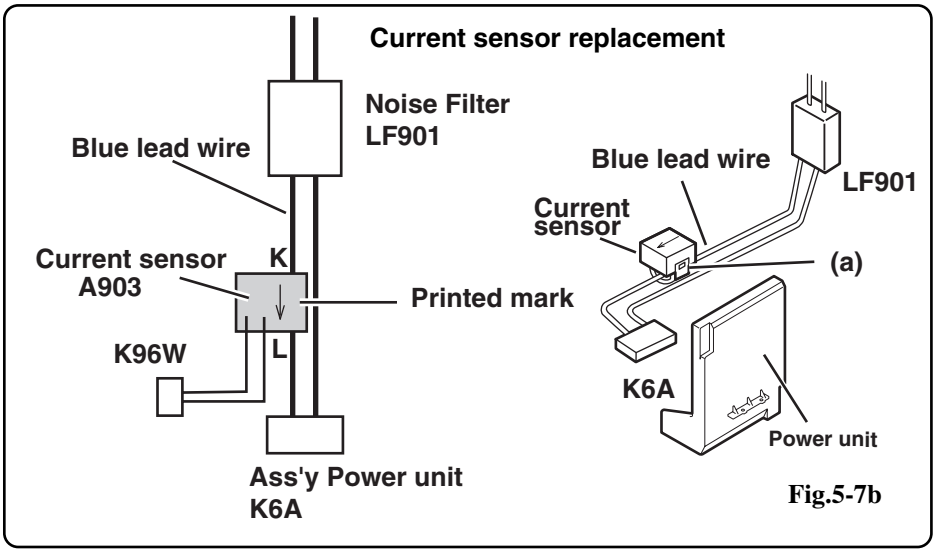


Fig.5-7b

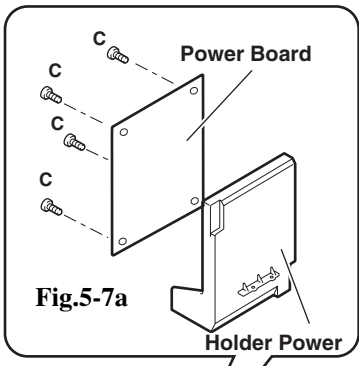


Fig.5-7a

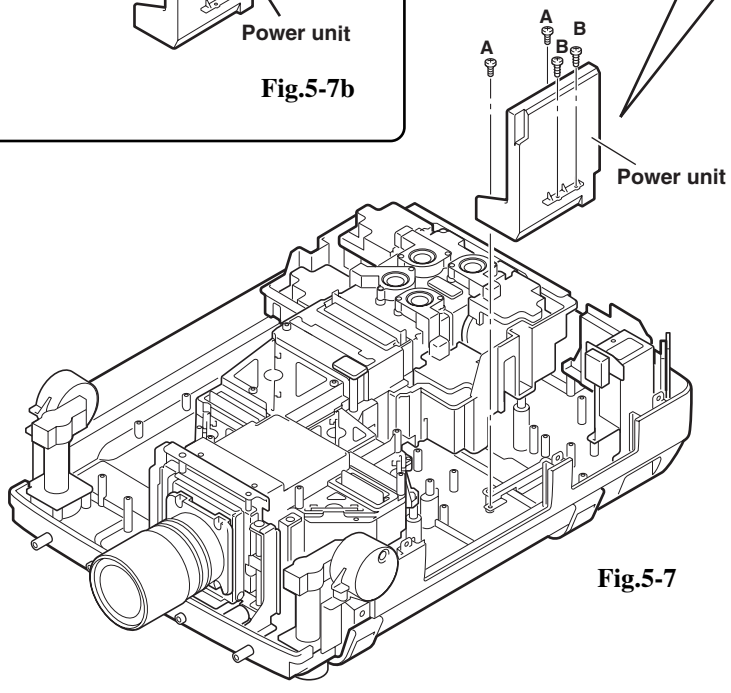


Fig.5-7

5-8 PFC 1-2 Unit and Sub Power Unit removal.

PFC 1-2 Unit removal.

1. Remove 4 screws-A and remove the PFC 1-2 Unit.
2. Remove 2 screws-B and remove the Holder FAN.
3. Remove the Fan (FN913).
4. Remove 4 screws-C and remove the PFC 1-2 Board.
   (See Fig.5-8, 5-8a)

Sub Power Unit removal.

5. Remove 4 screws-D and remove the Sub Power Unit.
6. Remove 6 screws-E and remove the Sub Power Board.
   (See Fig.5-8, 5-8b)

Note;

Mark the Fans as they are removed from the holder so that they may be reassembled in the same location from which they were removed. Be careful of the attachment direction of Fan.
See arrow mark in a figure.
PWB boards may be reassembled in the same location and direction from which they were removed. Be careful of the attached direction of PWB boards.

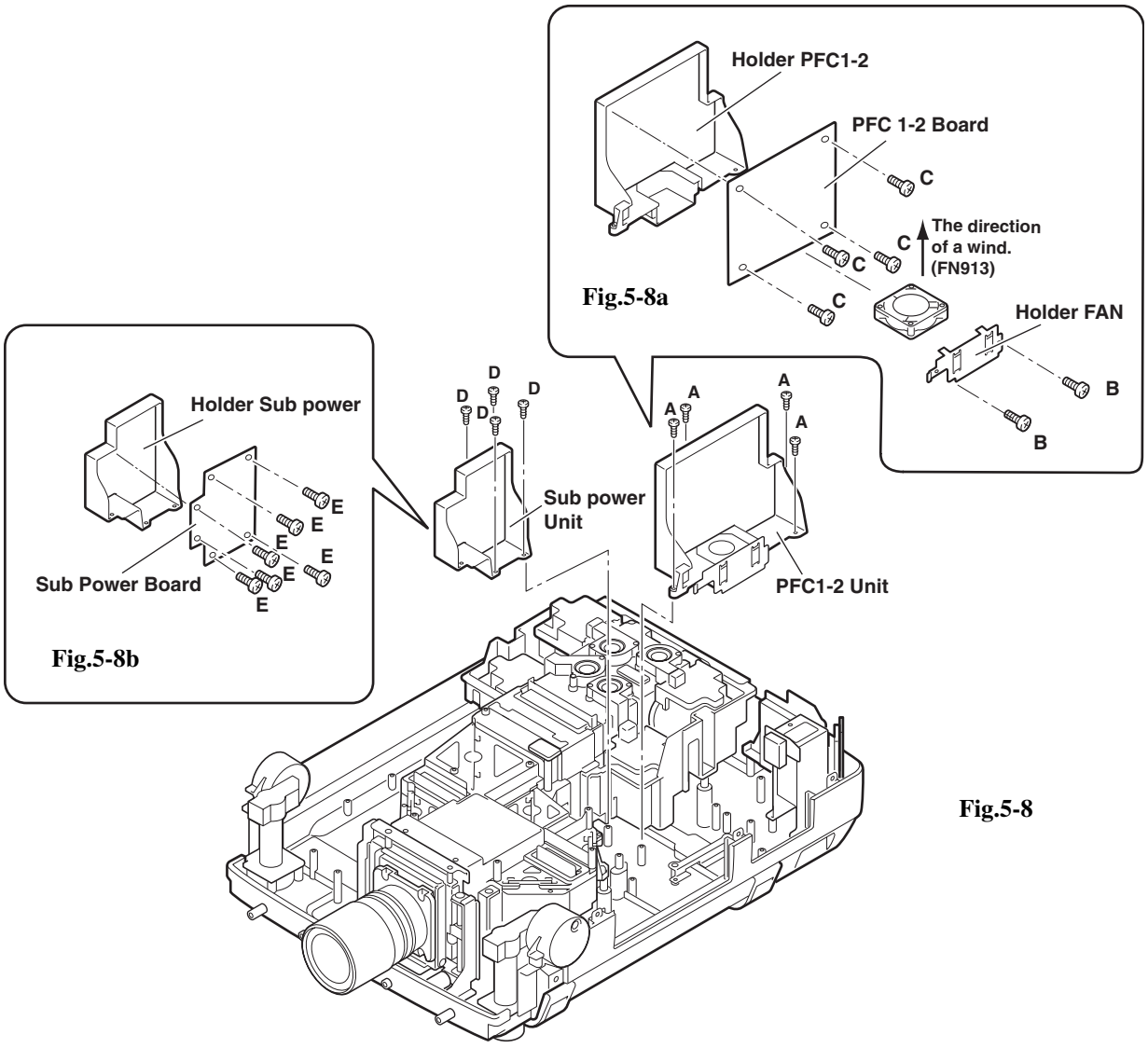


Fig.5-8

6 Optical Unit removal.

1. Remove 10 screws-A, remove 4 screws-B and remove the Optical unit. (See Fig.6)

Warning;

Do not hold the projection lens.
It may damage projection lens.

Warning!
Do not hold the Projection lens

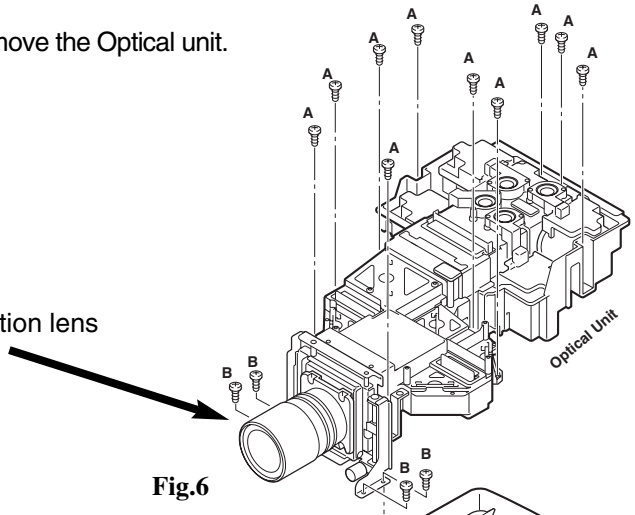
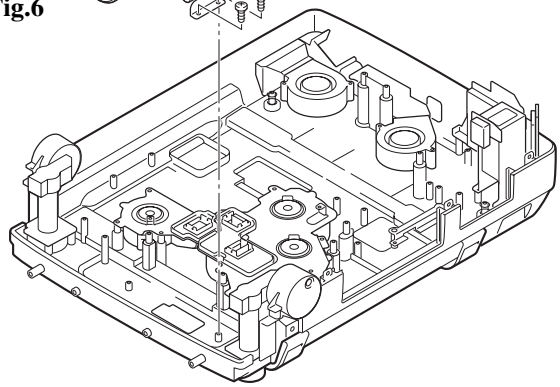


Fig.6



7-1 Fan(FN906) Unit and Adjustable-feet removal.

1. Remove 6 screws-A and remove the Adjustable-foot-left.
2. Remove 6 screws-B and remove the Adjustable-foot-right.
3. Remove 2 screws-C and remove the Fan(FN906) Unit.
4. Remove 4 screws-D and remove the Fan(FN906).
5. Remove 3 screws-E and remove the Rear LED Board.
6. Remove screw-F and remove the PWB Holder. (See Fig.7-1, 7-1a)

Note;

Mark the Fans as they are removed from the holder so that they may be reassembled in the same location from which they were removed. Be careful of the attached direction of Fans.
See arrow mark in a figure.

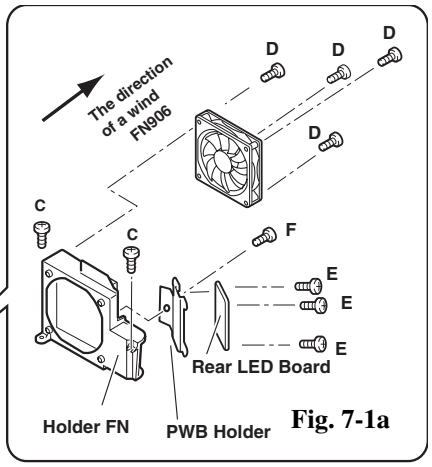


Fig. 7-1a

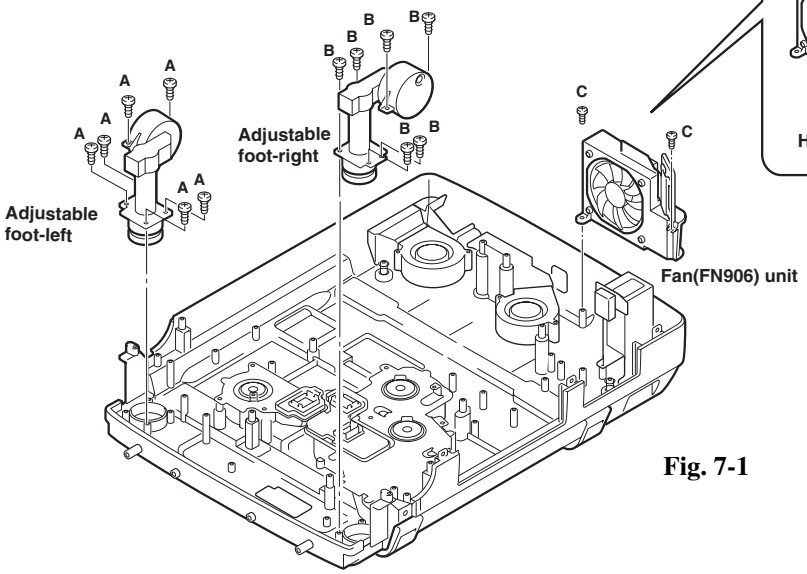


Fig. 7-1

7-2 Fan Units removal and disassemblies.

Fan(R) Unit removal and Disassemblies.

1. Remove 3 screws-A and remove the Fan(R) Unit.
2. Remove 2 screws-B and remove the Duct-A.
3. Remove 2 screws-C and remove the Fan(FN903).
   (See Fig. 7-2, 7-2a)

Fans(G,B) UNIT removal and Disassemblies.

4. Remove 4 screws-D and remove the Fan (G,B) Unit.
5. Remove 6 screws-F and remove the Duct-C.
6. Remove screw-G and remove the Sensor Board.
7. Remove 2 screws-H and remove the Fan (FN905).
8. Remove 2 screws-I and remove the Fan (FN916).
9. Remove 2 screws-J and remove the Fan (FN904).
10. Remove 2 screws-L and remove the RGB IN Fan net Board.
    (See Fig. 7-2, 7-2b)

Note :

Mark the Fans as they are removed from the duct so that they may be reassembled in the same location from which they were removed.

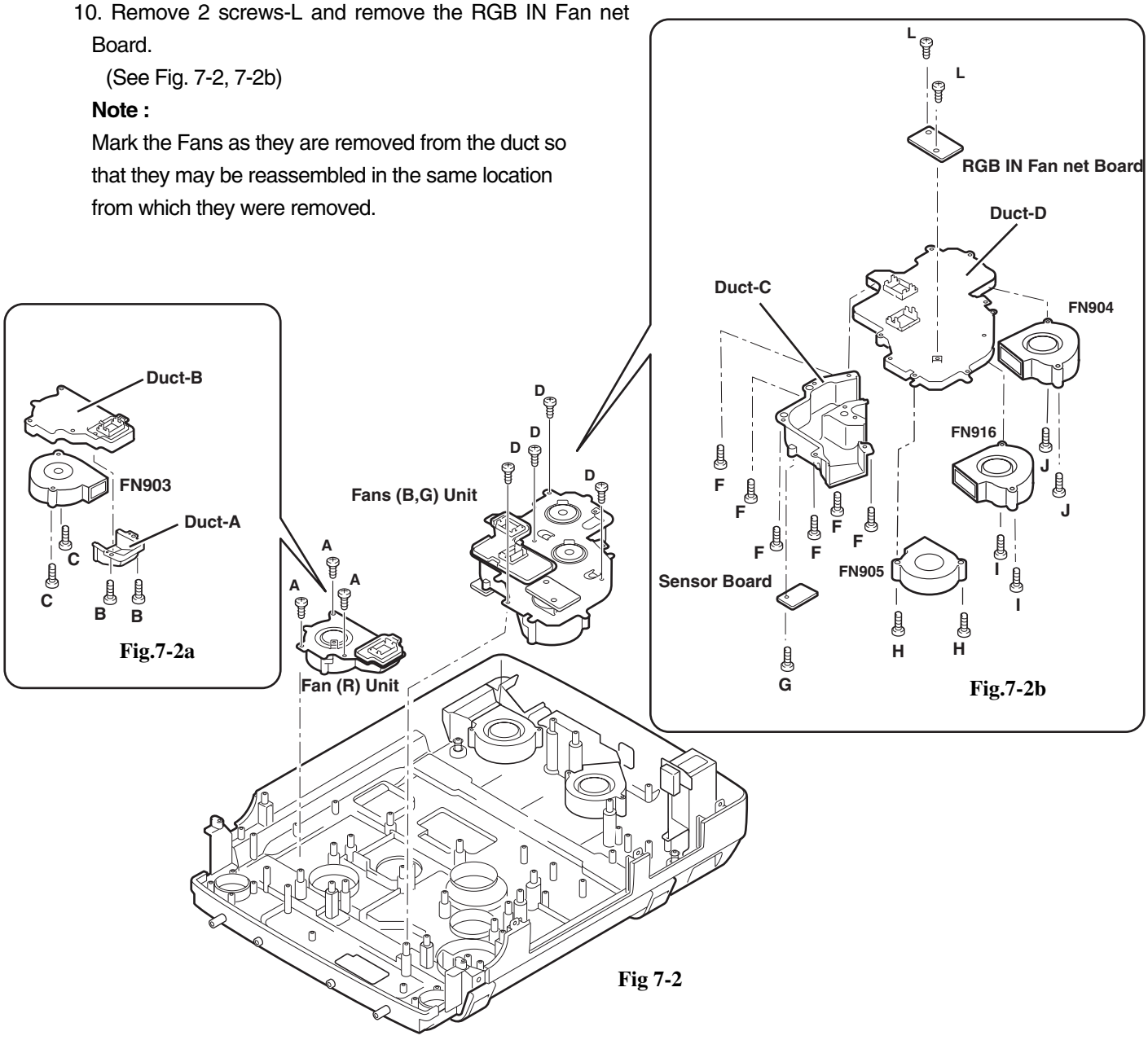


Fig 7-2

8-1 Fans(FN909,FN910) and Holders removal.

1. Remove 2 screws-A and remove the Cover -E.
2. Remove 2 screws-B and remove the Fan(FN909).
3. Remove 3 screws-C and remove the Cover -F.
4. Remove 2 screws-D and remove the Fan(FN910).
5. Remove 4 screws-E and remove the Holder-A.
6. Remove 4 screws-F and remove the Holder-B.
7. Remove 4 screws-G and remove the Holder-C.
8. Remove 2 screws-H and remove the Holder-D.

(See Fig.8-1)

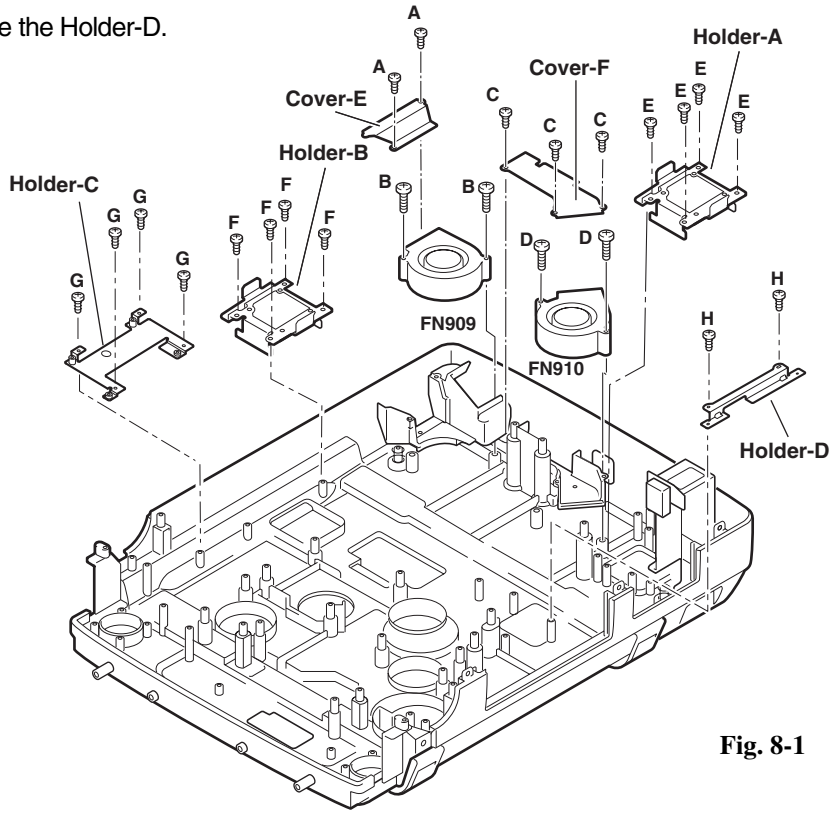


Fig. 8-1

8-2 Grounding Leads removal.

1. Remove 2 screws-A, remove 2 washers and remove the grounding leads from the Holder.

(See Fig.8-2,8-2a)

Note : Removed grounding lead from the grounding mark may be reassembled in the same location.

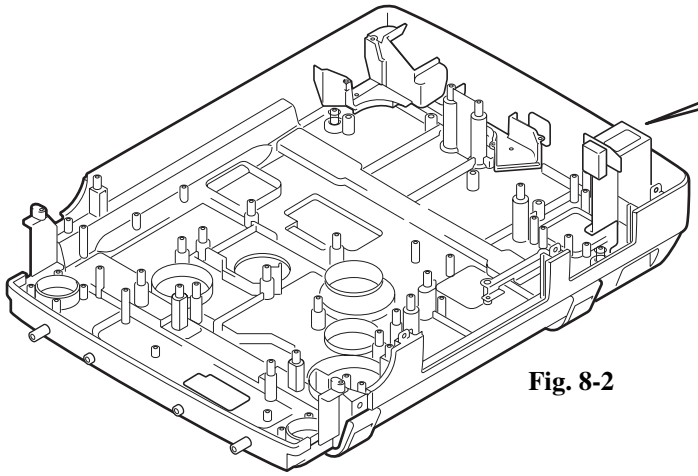


Fig. 8-2

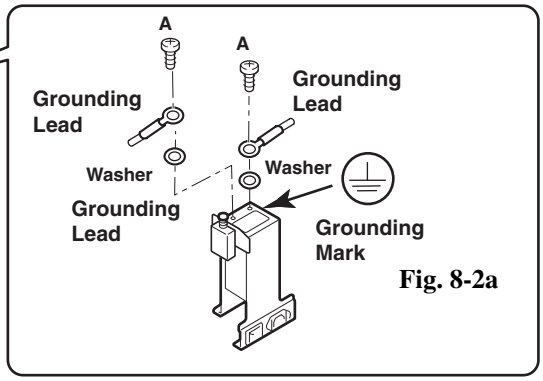


Fig. 8-2a

8-3 Mains switch Unit removal.

1. Remove 4 screws-A and remove the Main-SW Unit.
2. Remove 2 screws-B and remove the Lamp Cover Switch(SW902).
3. Remove 2 screws-D and remove the AC Inlet.
4. Unhook the stoppers and remove the Mains Switch(SW901).
   Push part(a) and pull the Main Switch.
5. Remove 2 screws-C and remove the Noise Filter.
   (See Fig.8-3, 8-3a)

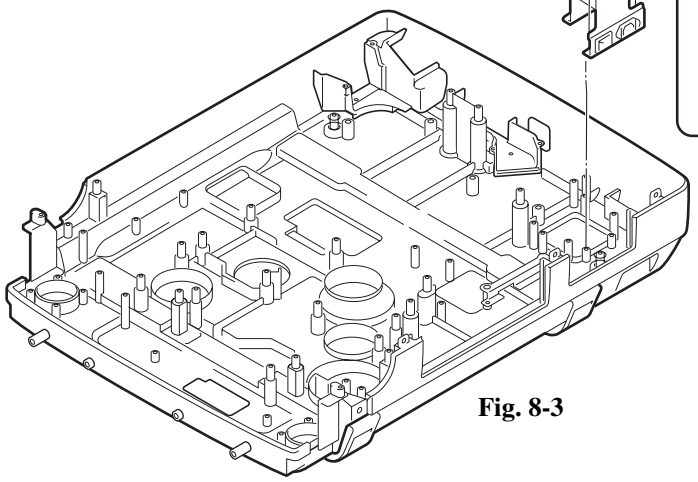


Fig. 8-3

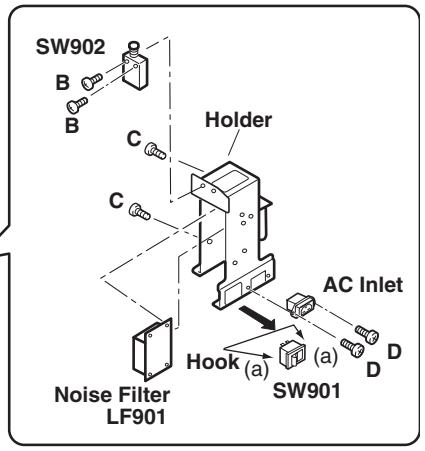


Fig. 8-3a

To remove the Fuse.

PLC-XF46E

Turn the fuse holder cover with the slot screw driver.
Remove the fuse and the fuse holder cover upward.

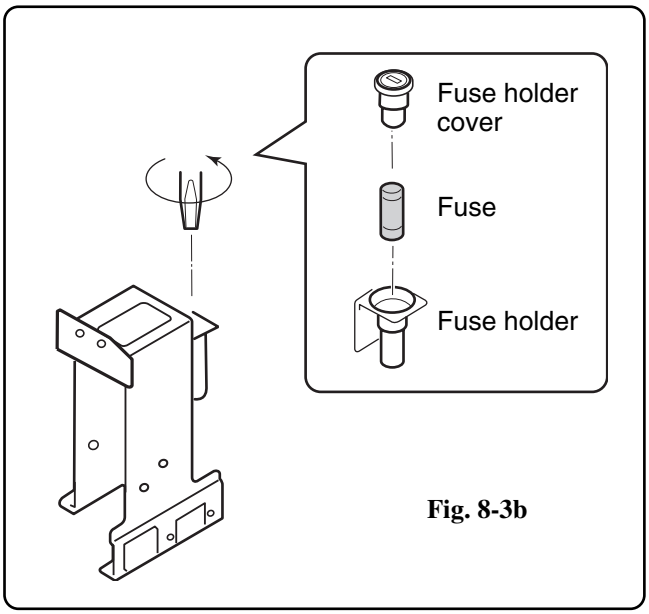


Fig. 8-3b

PLC-XF46N

Remove the fuse and the fuse holder cover forward.

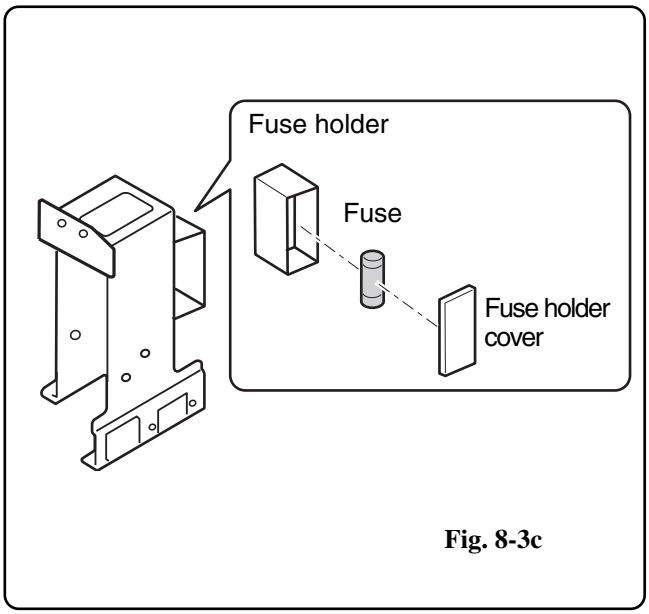


Fig. 8-3c

9-1 Ducts, R/C 2 Board, Filter Unit, NET Board and Panel removal.

1. Remove 2 screws-A and remove the Duct D.
2. Remove 2 screws-B and remove the Duct C.
3. Remove screw-C and remove the R/C 2 Board.
4. Pull out Air Filter Unit.
5. Pulling up center frame of Filter top, separate Filter top and Sheet from Filter base.
6. Remove 3 screws-D and remove the Panel.
7. Remove 2 screws-E and remove the Lens NET Board.

(See Fig.9-1, 9-1a)

CAUTION
Do not operate a projector with air filter removed. Dust may accumulate on LCD panel and Mirror degrading picture quality.
Do not put small parts into air Intake Vents. It may result in malfunction of a projector.

The filter be careful and handle. The effect of the filter runs out in case of a leak and it being broken off.

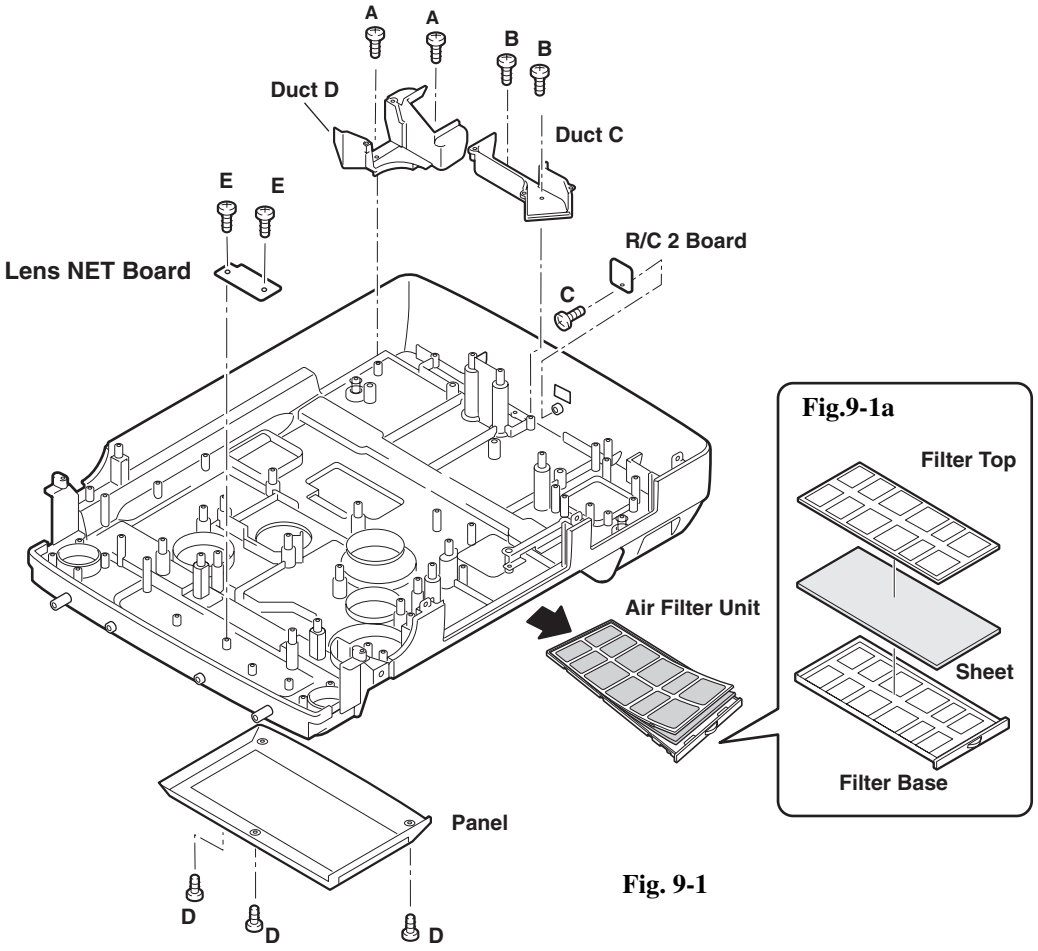


Fig. 9-1

9-2 Rear adjustable feet and Handles removal.

1. Remove the Retaining ring(ER-type) by leaving it against the adjustable foot with slot screwdriver.
2. Turn the adjustable feet and to take from the Cabinet bottom off. (2 places)
3. Remove 20 screws and remove the Handles.
   (See Fig.9-2, 9-2a)

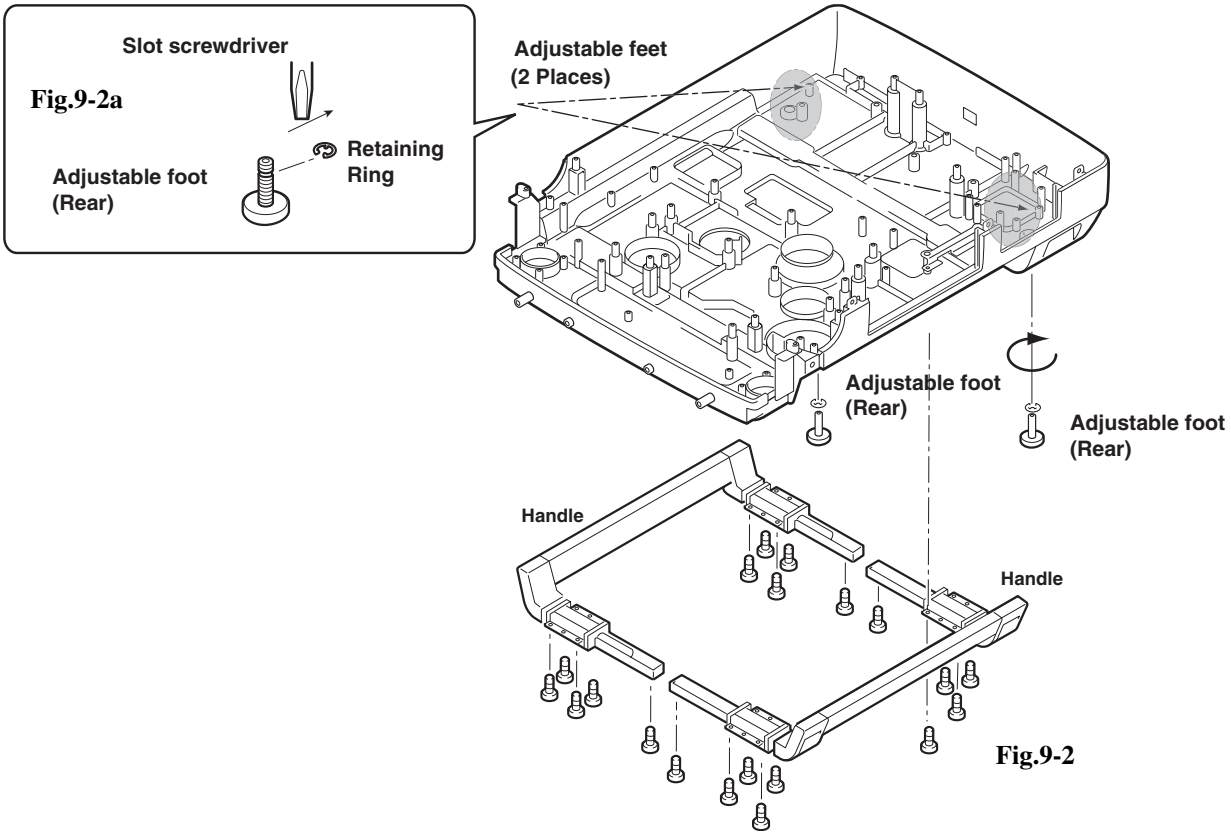
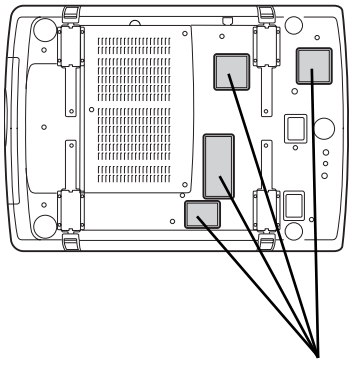


Fig.9-2

9-3 Shield plates and Sheets removal.

1. Remove the shield plates and sheets from the cabinet bottom.
   (Shield plates are bent and attached in the cabinet bottom.)
   (See Fig.9-3)



Shield plates and Sheets

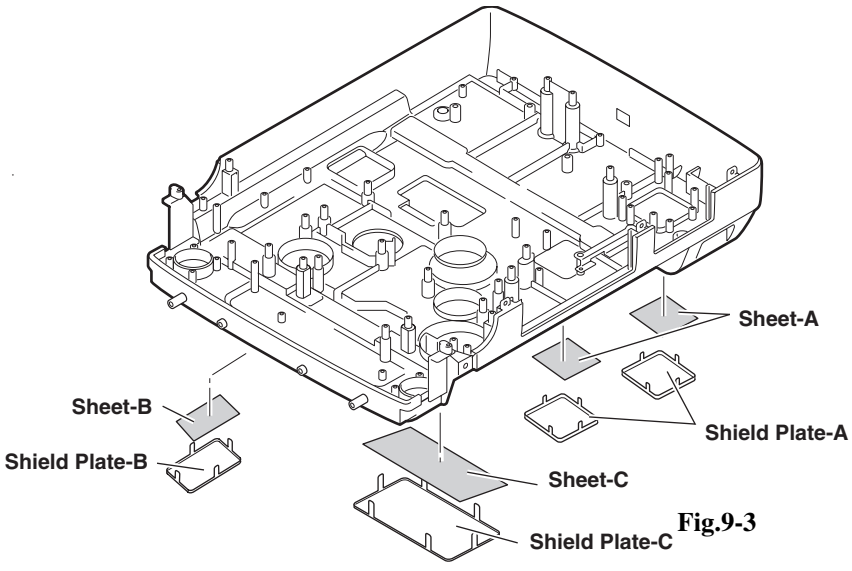


Fig.9-3

10-1 Net Boards(PBS Fan net, Lamp Fan net) removal.

1. Remove 2 screws-A and remove the PBS Fan net Board.
2. Remove 2 screws-B and remove the Lamp Fan net Board.

(See Fig.10-1)

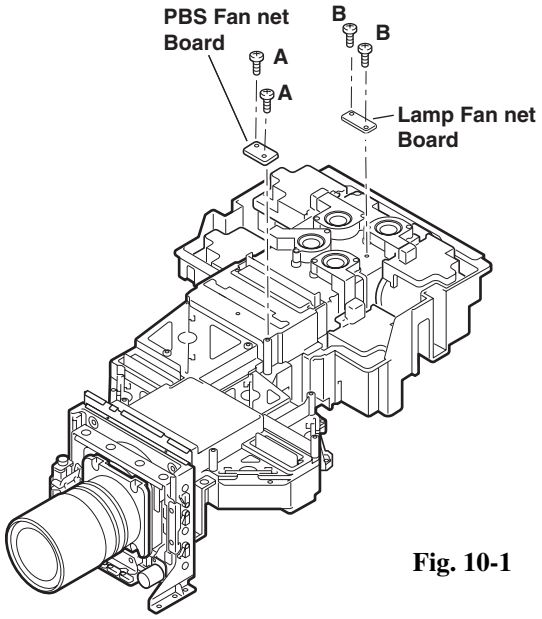


Fig. 10-1

10-2 Fans(FN911, FN912), EXH Fan net Board and Duct removal.

1. Remove 3 screws-A and remove the Duct.
2. Remove 2 screws-B and remove the Fan(FN911).
3. Remove 2 screws-C and remove the Fan(FN912).
4. Remove 2 screws-D and remove the EXH Fan net Board.

(See Fig.10-2)

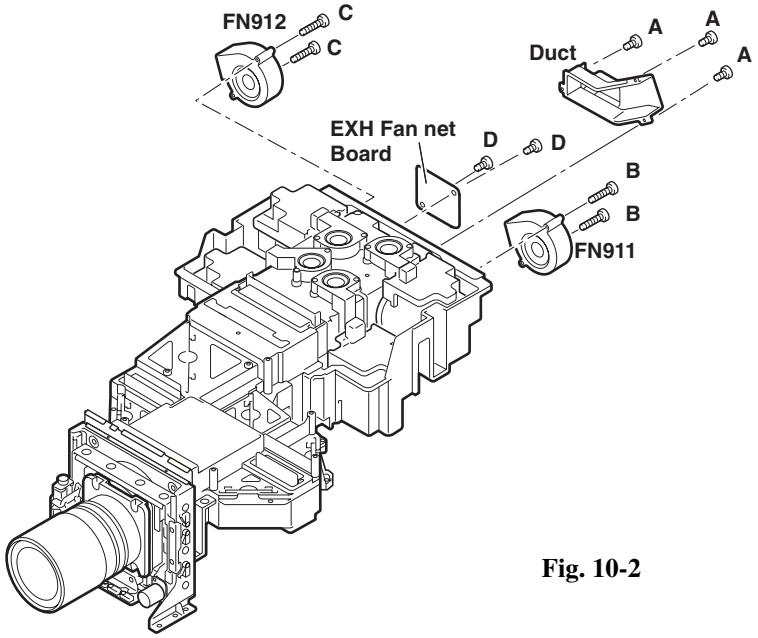


Fig. 10-2

10-3 Fan(FN915), Ducts, and Temperature switches removal.

1. Remove 2 screws-A and remove the Fan(FN915).
2. Remove 2 screws-B and remove the Duct PBS.
3. Remove 4 screws-D and remove the temperature switches (SW903,SW904,SW905,SW906).
   (See Fig.10-3)

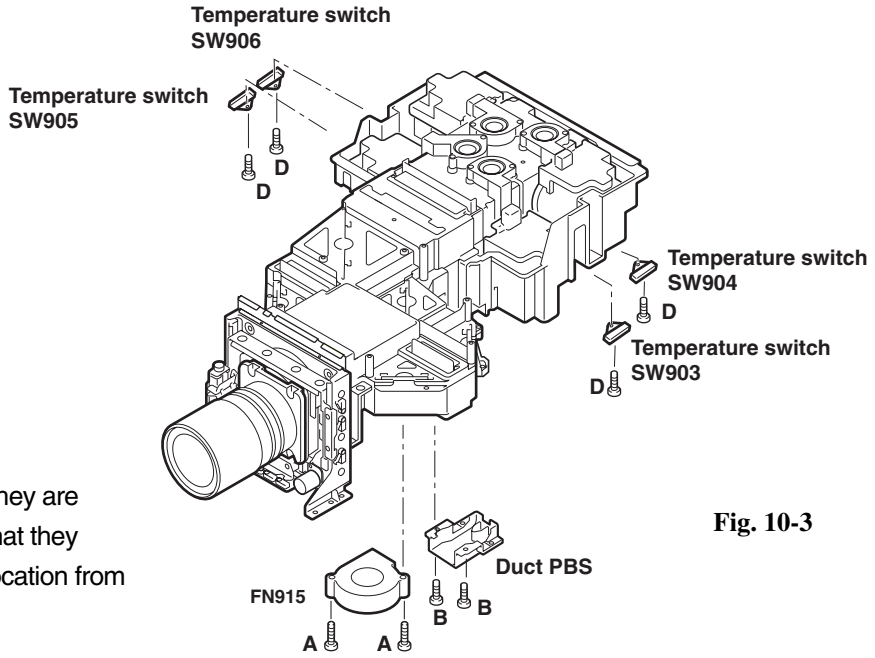


Fig. 10-3

Note;
Mark the temperature switches as they are removed from the optical base so that they may be reassembled in the same location from which they were removed.

10-4 Holders removal.

1. Remove 2 screws-A, remove 3 screws-b and remove the Holder-A.
2. Remove 3 screws-C and remove the Holder-B.
   (See Fig.10-4)

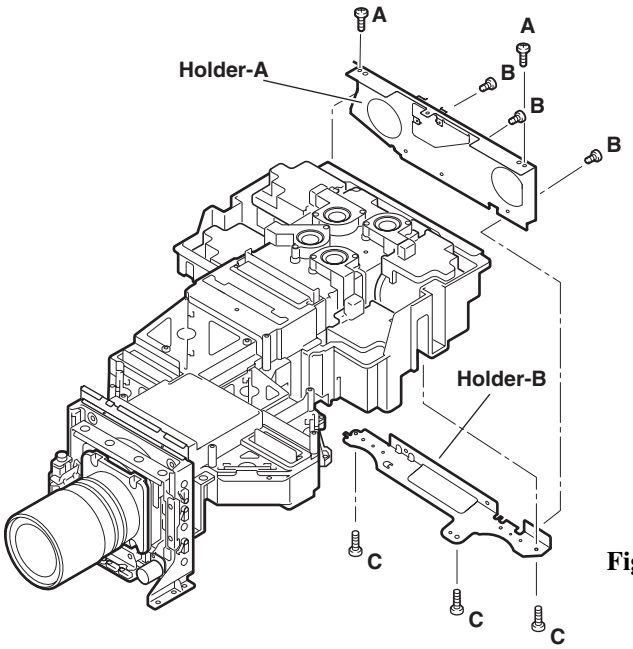


Fig. 10-4

■ Optical Unit Disassemblies

11 Projection lens and Lens shift unit removal.

1. Loosen the screw-D and remove the Safety Clamp. (See Fig. 11-a)
2. Slide the lens lock lever on the projector to "UNLOCK" (UPPER) position and detach the Projection lens with Mount Parts to the Lens shift unit. (See Fig. 11-b)
   (Refer to Lens replacement and Installation procedures manual)
3. Loosen 4 screws-A and remove the Projection lens.
4. Remove 4 screws-B and remove the Lens shift unit.
5. Remove 2 screws-C and remove the plate.

(See Fig.11, 11-c, 11-d)

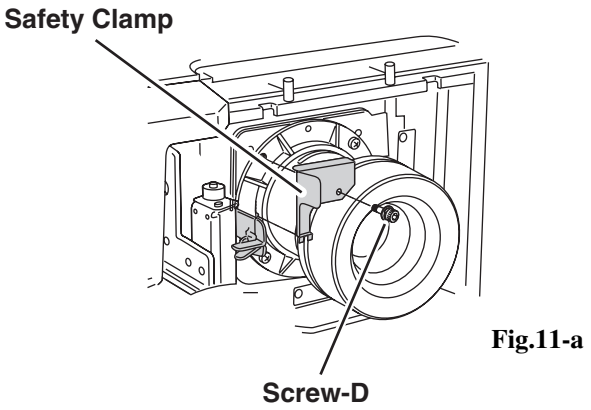


Fig.11-a

Lens lock lever
Unlock(upper) position

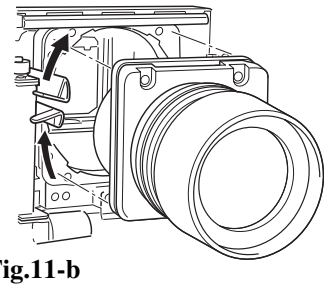


Fig.11-b

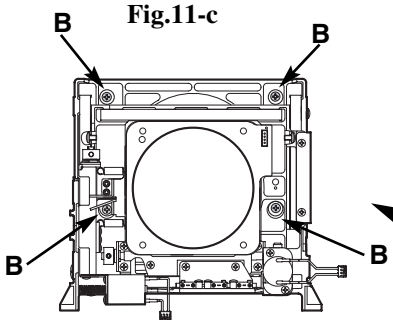


Fig.11-c

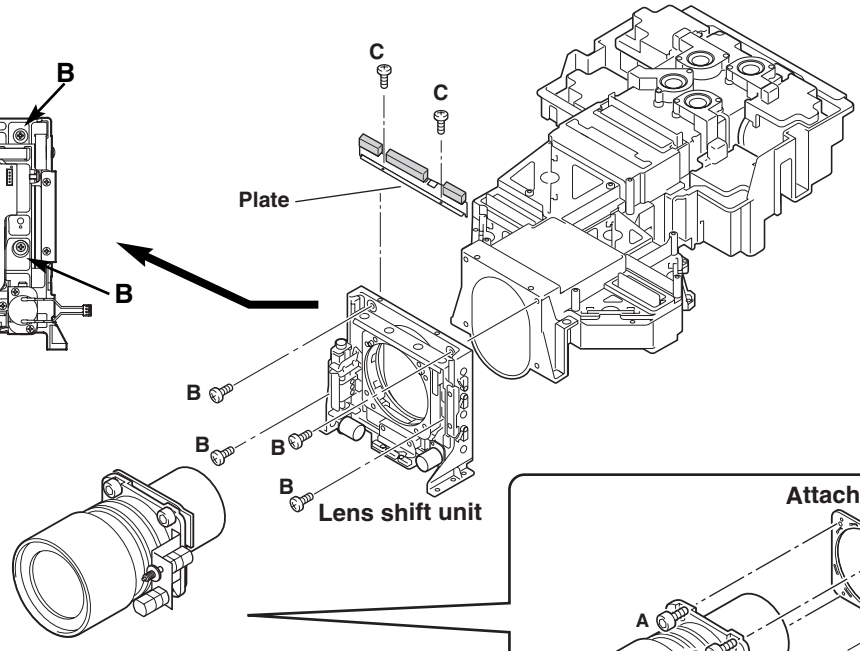


Fig.11

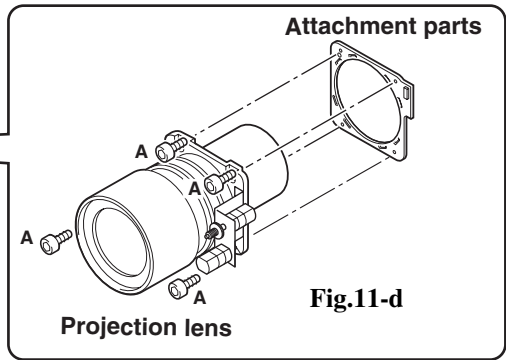


Fig.11-d

12-1 Prism/LCD panel unit removal.

1. Remove 4 screws and remove the Prism / LCD panel unit.
   (Be careful not to damage the Prism / LCD panel unit with the driver.)
   (See Fig.12-1)

Note :

Prism / LCD panel unit is a precision part. Be sure to handle this part with special attention. Do not drop it or give it excessive force. It may damage the parts and alignment.

Caution :

(1). Do not touch the LCD panel and prism part directly with hand. Otherwise the optical parts may get dirty.

(2). Since the LCD panel is equipped with CMOS-LSI, pay attention to static electricity. And do not touch the electrode of flexible cables.

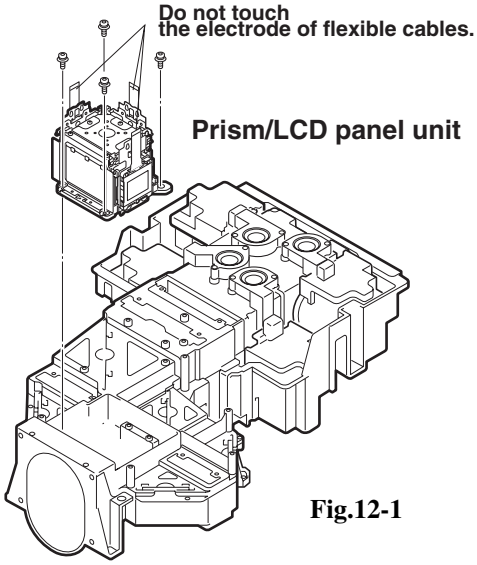


Fig.12-1

12-2 LCD panels removal.

1. Remove 9 screws-A and remove the LCD panels.
   Except when there is the necessity for replace, do not remove the LCD panel.
   (See Fig.12-2,12-2a)

Note :

Do not remove all three LCD panels at the same time. The standard in convergence adjustment runs out and it becomes not possible to do an adjustment. When exchanging three LCD panels at the same time, it recommends to exchange every in the Prism/LCD panel unit.

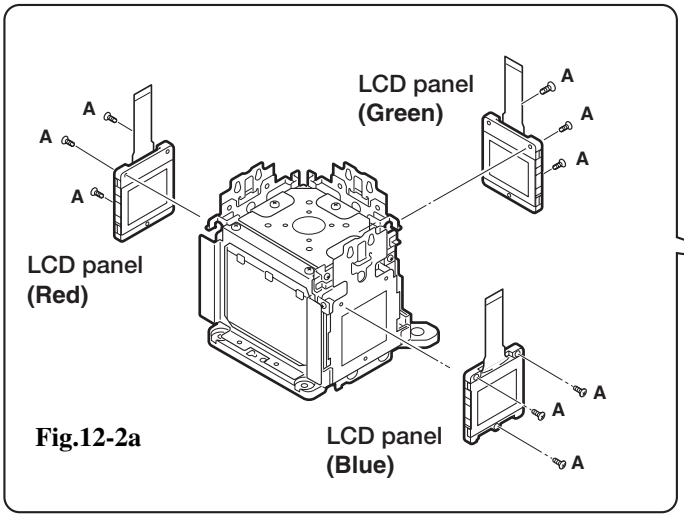


Fig.12-2a

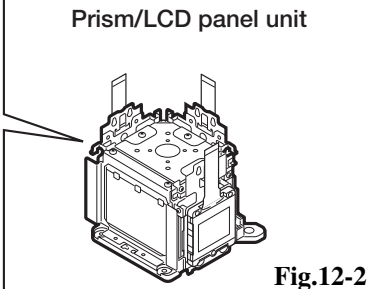


Fig.12-2

12-3 Optical filters and Polarized glasses disassemblies.

1. Remove 3 screws-A and remove the stoppers.
2. Remove the plate.
3. Remove the polarized glasses and Prepolarized glasses upward.
   (See Fig.12-3)

Note:

Each polarized glasses use different characteristic polarization glasses. Mark the polarizer units as they are removed from the optical unit so that they may be reassembled in the same location from which they were removed.

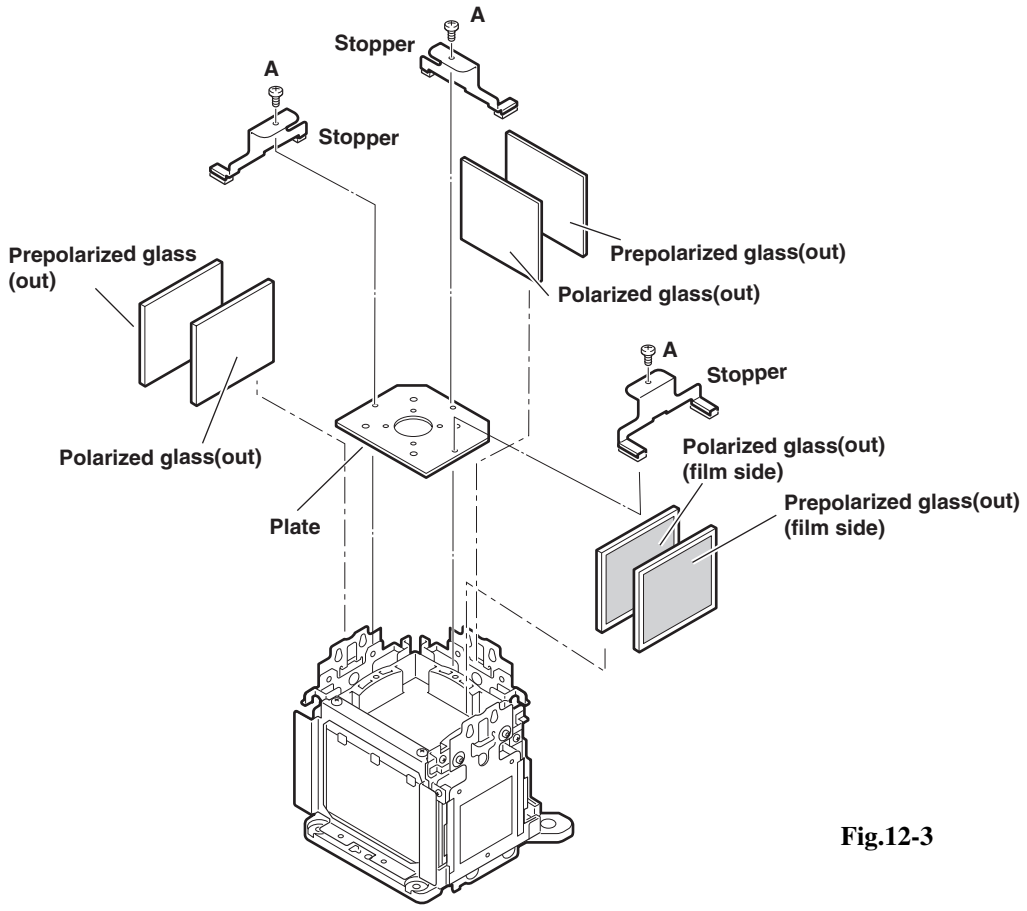


Fig.12-3

Glass should be placed as the film attached side comes to the LCD panel side.

13-1 Integrator lens-in unit removal.

1. Remove 2 screws A and remove the Integrator lens in unit.
2. Remove 4 screws B and remove the 2 Plates.
3. Unhook the holder 4 places and remove the Integrator lens. (Integrator lens is bonded on the Holder.)
(See Fig.13-1, 13-1a)

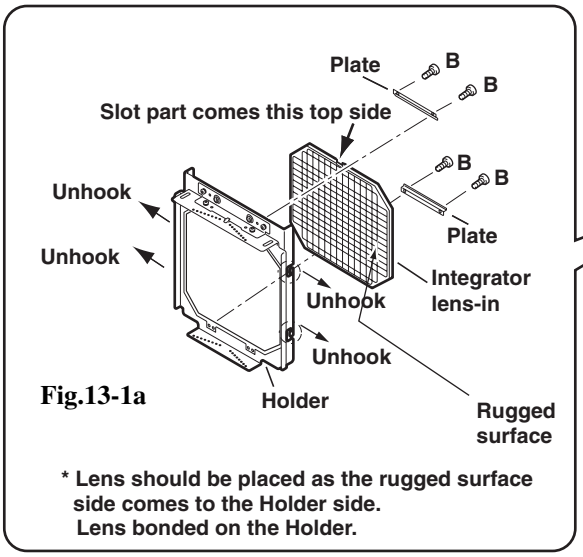


Fig.13-1a

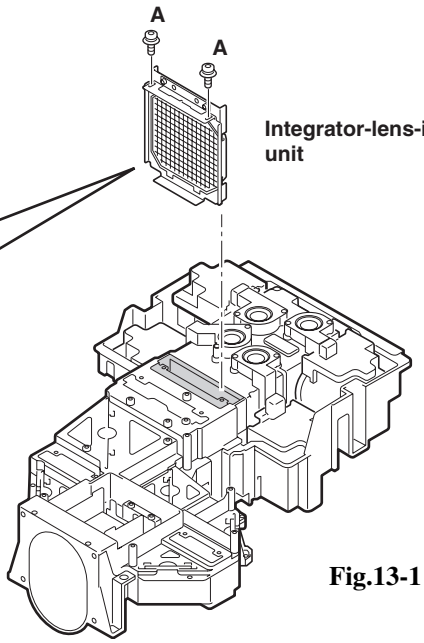


Fig.13-1

13-2 Integrator lens-out / PBS unit removal.

1. Remove 3 screws-A and remove the Integrator lens out / PBS unit.
2. Remove 4 screws-B, remove the 2 Plates and remove the PBS.
3. Unhook the holder 4 places and remove the Integrator lens. (Integrator lens and PBS are bonded on the Holder.)
(See Fig.13-2, 13-2a)

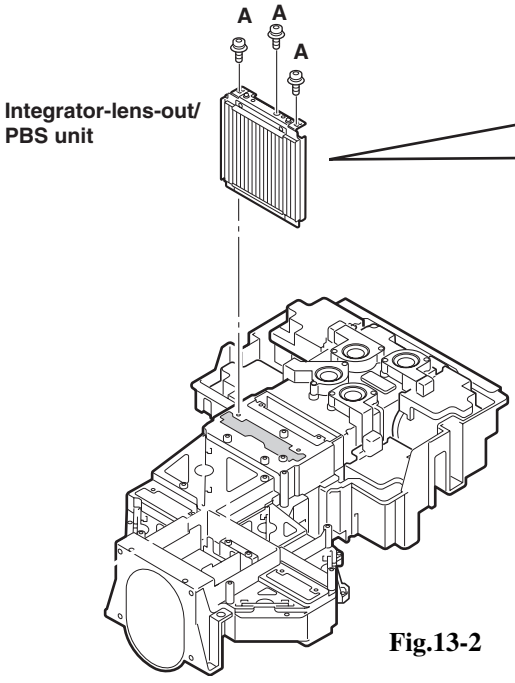


Fig.13-2

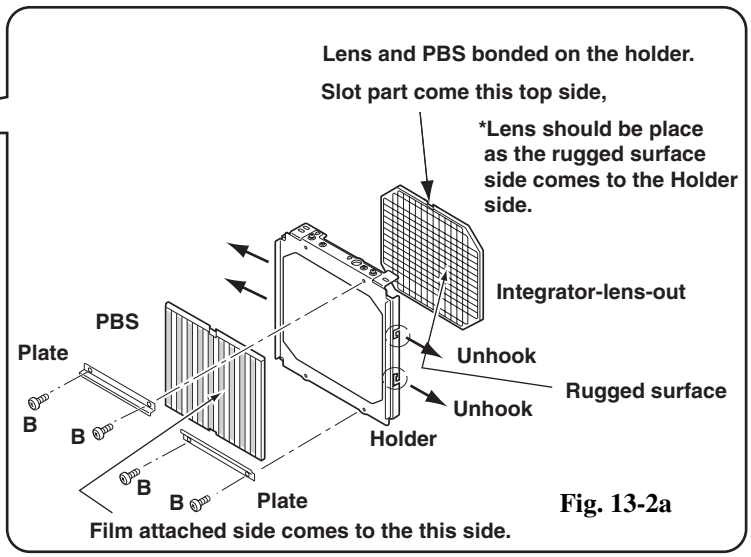


Fig. 13-2a

13-3 Condenser lens unit removal.

1. Remove 2 screws-A and remove the Condenser lens unit.
2. Remove 4 screws-B, remove the plate and remove the Condenser lens.
   (See Fig.13-3, 13-3a)

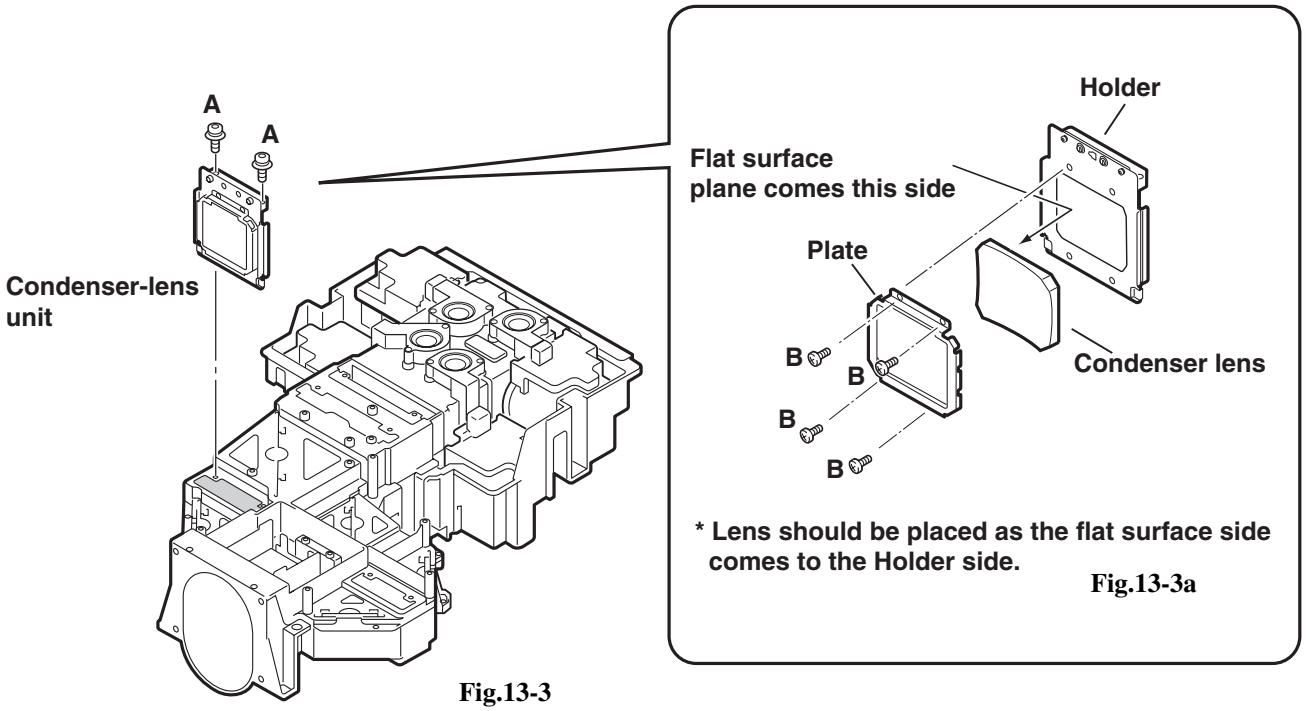


Fig.13-3

Fig.13-3a

13-4 Relay lens unit removal.

1. Remove 2 screws-A and remove the Relay lens unit.
2. Remove 4 screws-B, remove the plate and remove the Relay lens.
   (See Fig.13-4, 13-4a)

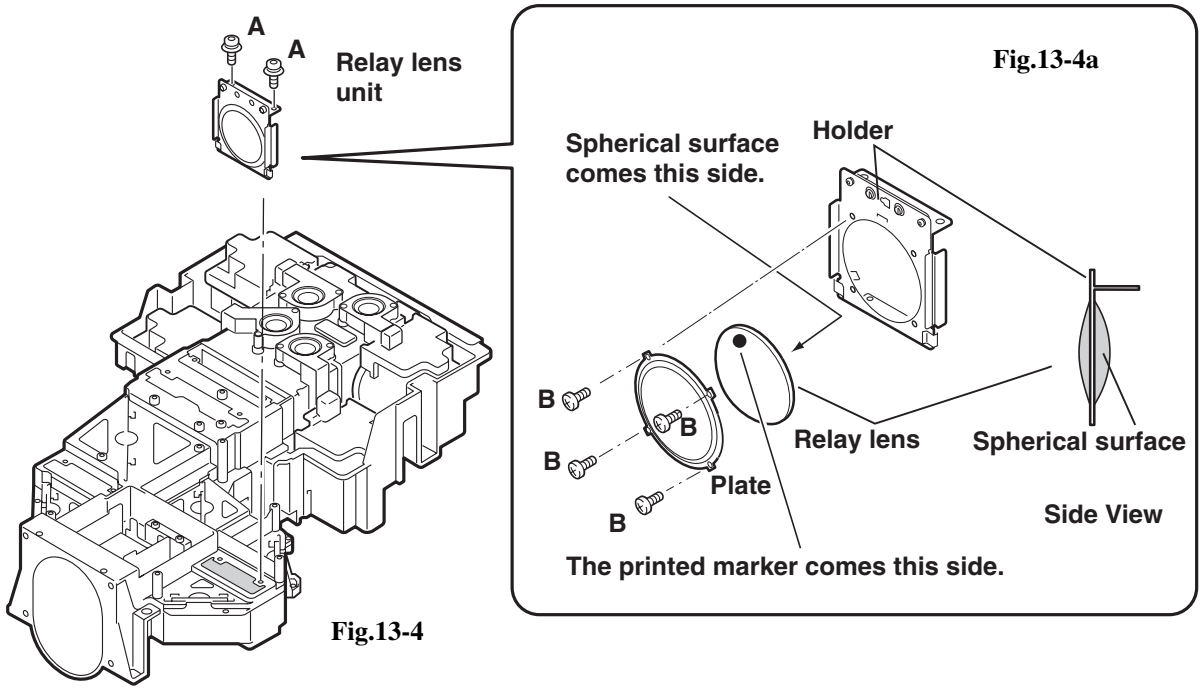


Fig.13-4

Fig.13-4a

13-5 Polarized units removal.

1. Remove 6 screws-A and remove the Polarized glass units. (See Fig.13-5)

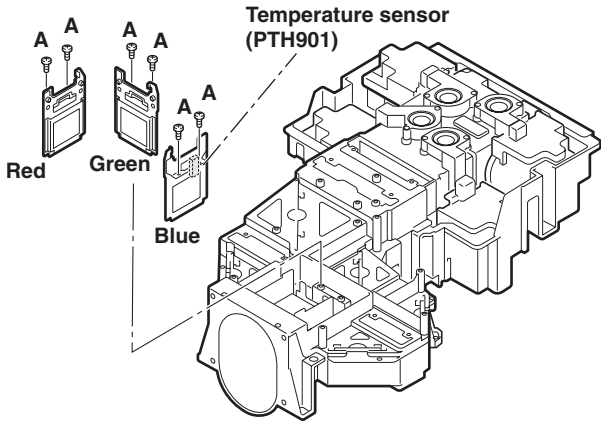


Fig.13-5

Red and Green Polarized Units

2. Remove screw-B, remove the plate(A) and remove the Prepolarized glass(IN).
3. Remove 2 screws-C, remove the plates(B) and remove the Optical filter (HCP).
4. Remove 2 screws-D, remove the plates(C) and remove the Polarized glass (IN).
   (See Fig.13-5a)

Blue Polarized unit

5. Remove screw-E remove the plate(D) and remove the Prepolarized glass(IN).
6. Remove 2 screws-F, remove the plates(E) and remove the Optical filter (HCP).
7. Remove 2 screws-G, remove the plates(F) and remove the Polarized glass (IN).
8. Remove screw-H, and remove the Temperature sensor (PTH901) unit.
   (See Fig.13-5b)

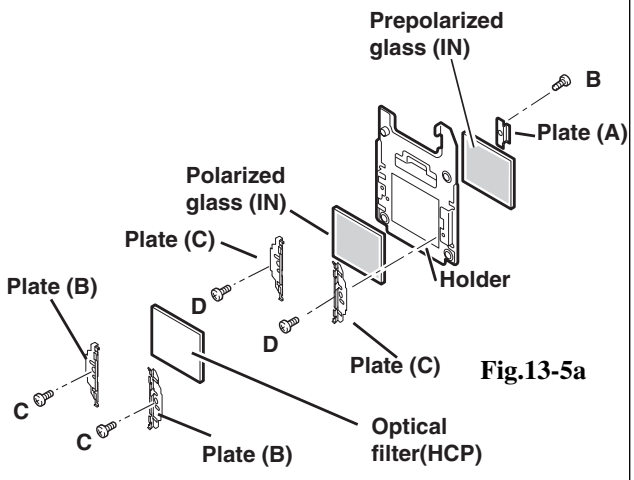


Fig.13-5a

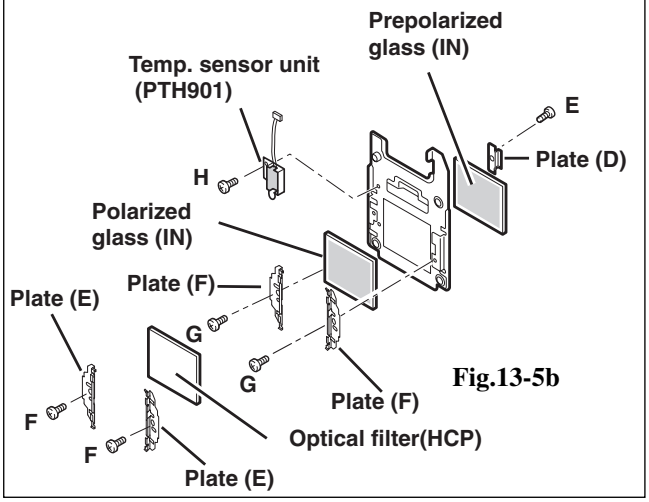


Fig.13-5b

13-6 Mirrors removal.

Remove 5 stoppers and pull the 5 mirrors upward.
(See Fig.13-6)

Note : Do not touch the mirrors surface directly with hand.
Each mirror uses different characteristic optical filter glasses. Mark the mirrors as they are removed from the optical unit so that they may be reassembled in the location and direction from which they were removed.

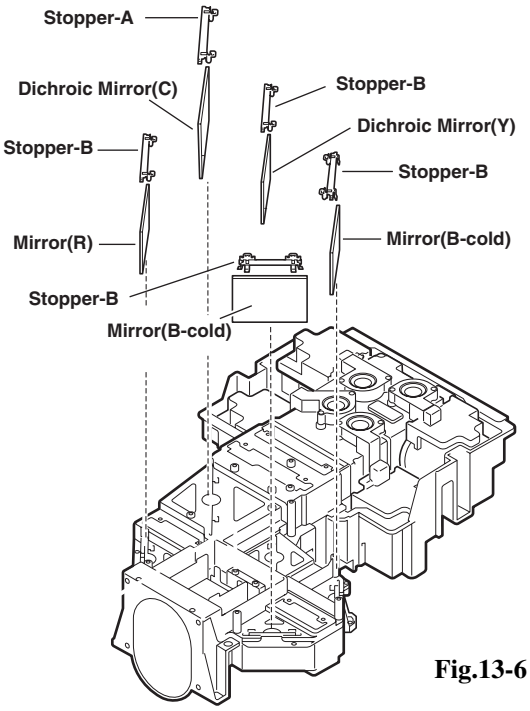


Fig.13-6

14 Assembly Lamps removal.

Loosen 8 screws-A and remove the 4 Lamp assemblies upward.
(See Fig.14)

Note : The characteristics and ages of lamps are managed by CPU. Mark the lamp assemblies as they are removed from the optical unit so that they may be reassembled in the same location from which they were removed.

CAUTION :
Do not operate a Projector while any of lamps removed. It may result in malfunctions, fire hazard, or other accidents.
Do not drop a lamp assembly or touch a glass bulb! Glass may shatter and may cause injury.

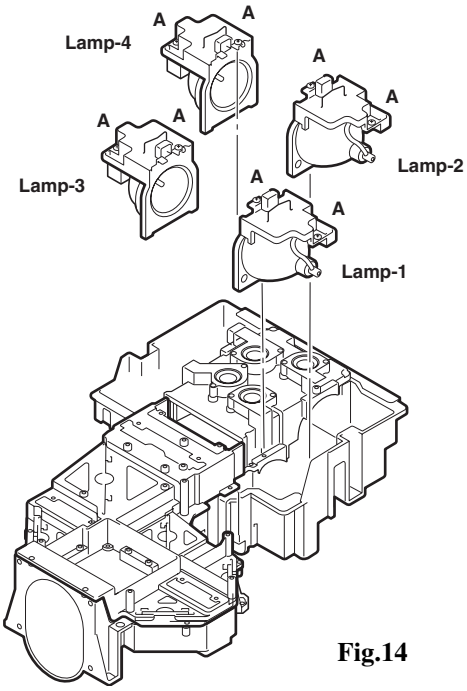


Fig.14

15 Optical base top removal.

1. Remove 11 screws and remove the Optical base top.
   Be careful not to damage the optical parts.
   (See Fig.15)
   Note:
   Be careful of the optical base top slowly and remove it. Otherwise optical parts follow together and become cause to damage.

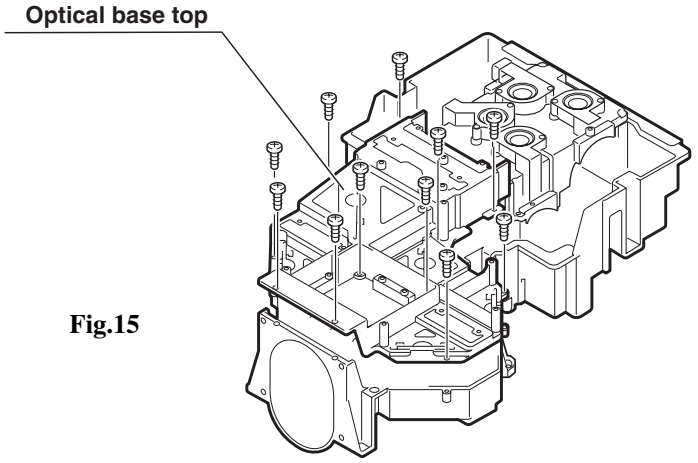


Fig.15

16 Cover mirror and Fans (FN917, FN918, FN919, FN920) removal.

1. Remove 4 screws-A and remove the Cover mirror.
2. Remove 8 screws-B , unhooks the plates and remove the Fans.
   (See Fig.16,16a)
   Note :
   Mark the Fans as they are removed from the cover mirror so that they may be reassembled in the same location from which they were removed.

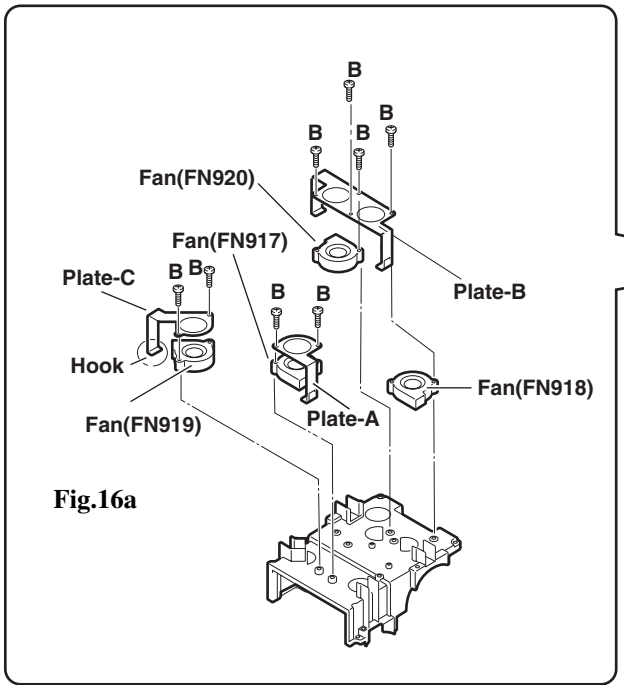


Fig.16a

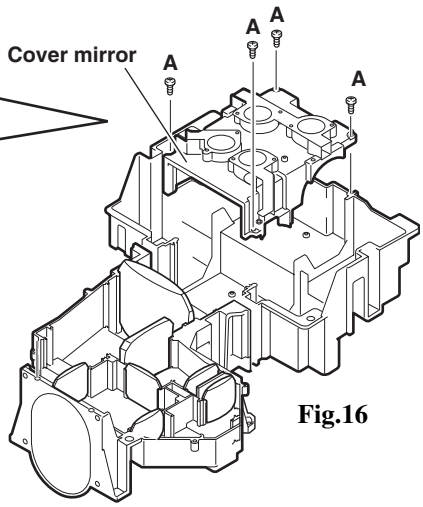


Fig.16

17-1 Mirror units removal and disassemblies.

1. Remove 4 screws-A and remove the Mirror units.
2. Remove 4 screws-B and remove the Stoppers(C).
3. Remove screw-C and remove the Stopper(E).
4. Remove screw-D and remove the Stopper(D).
5. Remove 2 screws-E and remove the Stoppers(B).
6. Remove 4 screws-F and remove the Stoppers(A).

   (See Fig.17-1, 17-2a)

   Mirror units are same as.

Note : Do not touch mirrors surface directly with hand.

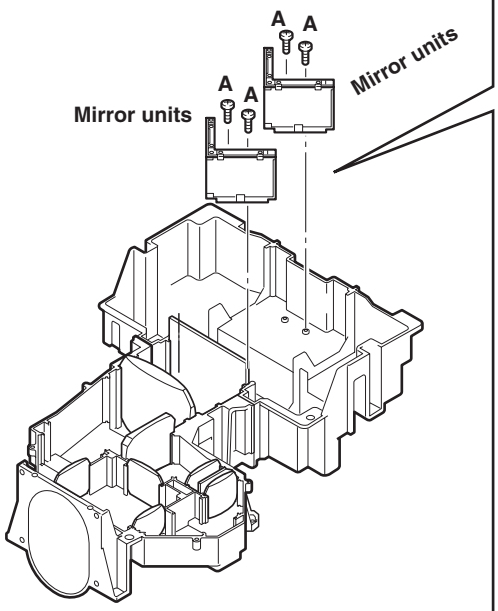
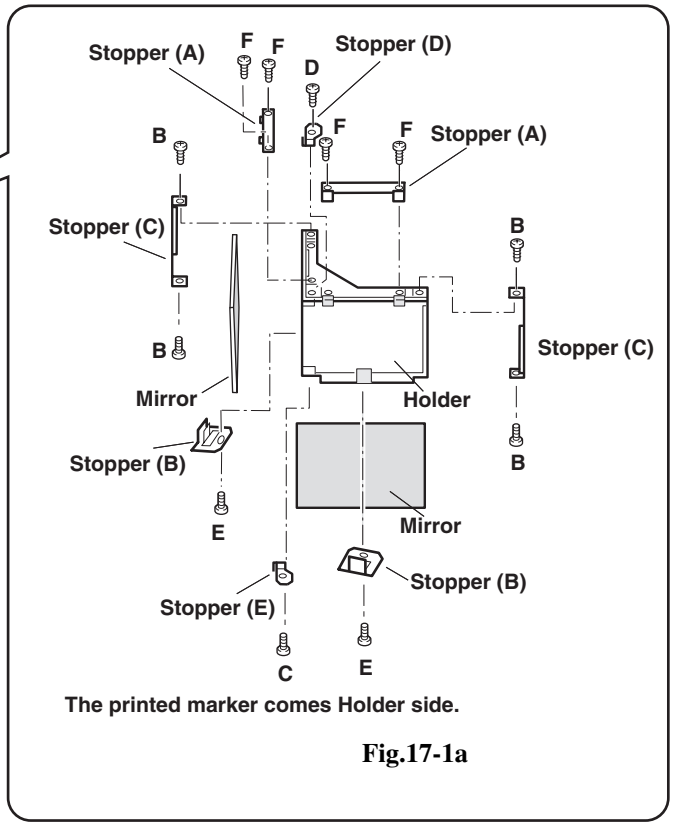


Fig.17-1



The printed marker comes Holder side.

Fig.17-1a

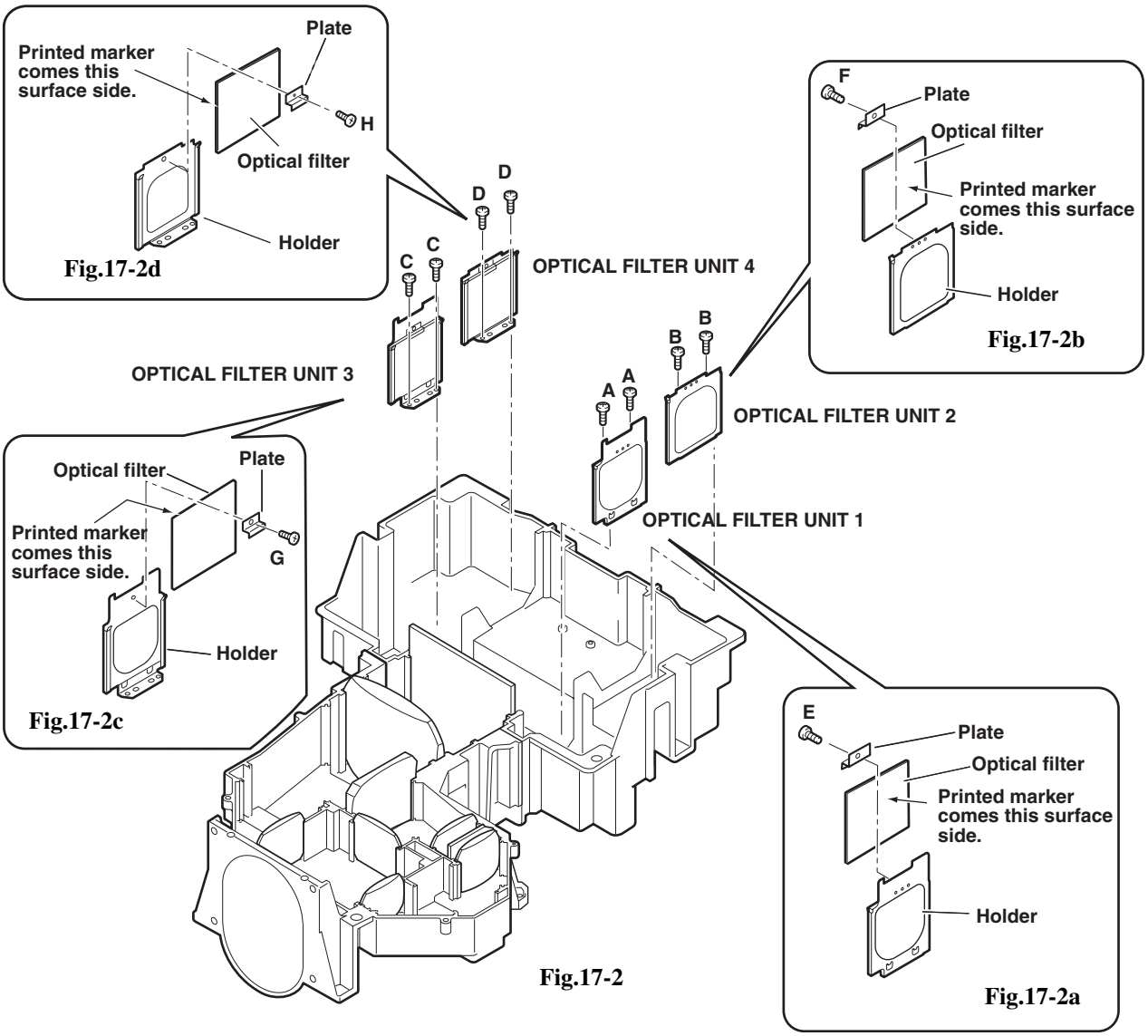
17-2 Optical Filter units removal and disassemblies.

1. Remove 2 screws-A and remove the Optical filter unit1.
2. Remove screw-E, remove the plate and remove the Optical filter upward. (See Fig.17-2a)
3. Remove 2 screws-B and remove the Optical filter unit2.
4. Remove screw-F, remove the plate and remove the Optical filter upward. (See Fig.17-2b)
5. Remove 2 screws-C and remove the Optical filter unit3.
6. Remove screw-G, remove the plate and remove the Optical filter upward. (See Fig.17-2c)
7. Remove 2 screws-D and remove the Optical filter unit4.
8. Remove screw-H, remove the plate and remove the Optical filter upward. (See Fig.17-2d)

(See Fig.17-2, 17-2a, 17-2b, 17-2c, 17-2d)

Note : Do not touch optical filters surface directly with hand.

Each mirror uses different characteristic optical filter glasses. Mark the mirrors as they are removed from the optical unit so that they may be reassembled in the location and direction from which they were removed.



18 Optical Filters and Lenses removal.

1. Remove Optical filter(UV/IR), remove the Condenser lens(IN), remove the Condenser lens(OUT), remove the Relay lens(IN), remove the Condenser lens(R-FIL), remove the Condenser lens(UV-FIL), and remove the Condenser lens(G) upward.

(See Fig.18)

Note : Do not touch optical filters and lenses surface directly with hand.

Mark the mirrors as they are removed from the optical unit so that they may be reassembled in the location and direction from which they were removed.

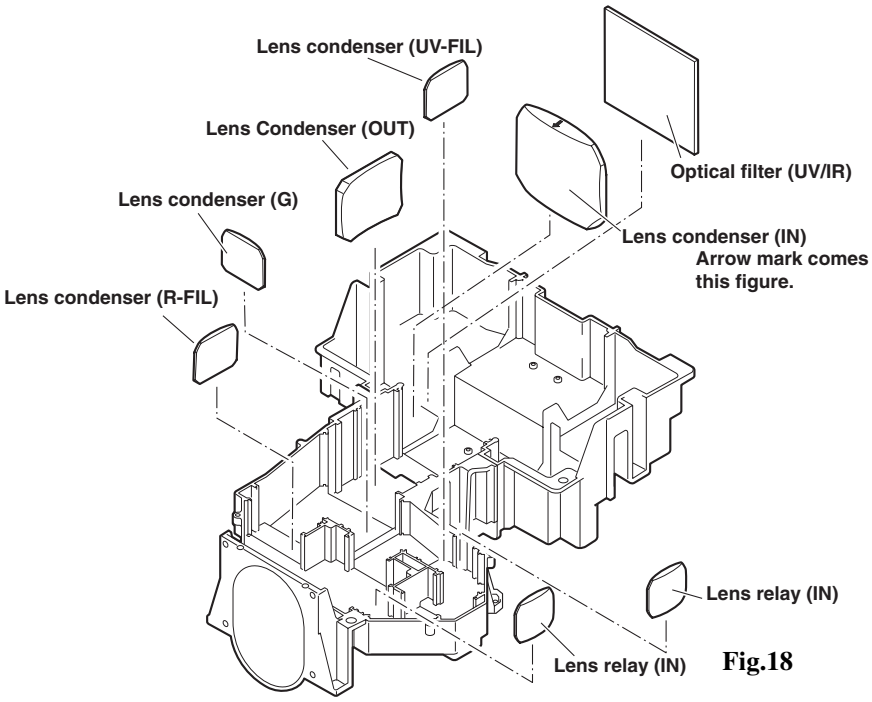


Fig.18

19 Optical base BTM disassemblies.

1. Remove 6 screws-A, remove the Optical Base BTM-A and the Optical Base BTM-B disassemblies.

(See Fig.19)

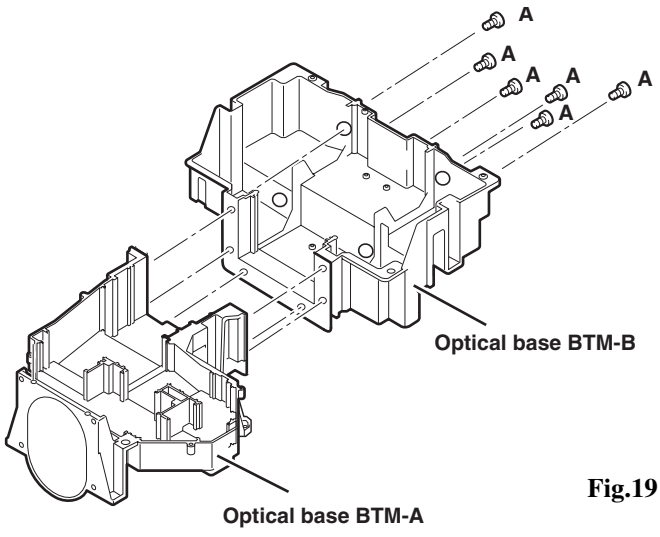


Fig.19

■ Optical Parts Location and Direction

Note: There are 2 types of Optical unit. (Type-R and Type-L)
Each Optical unit must combine and use the specific Optical parts.

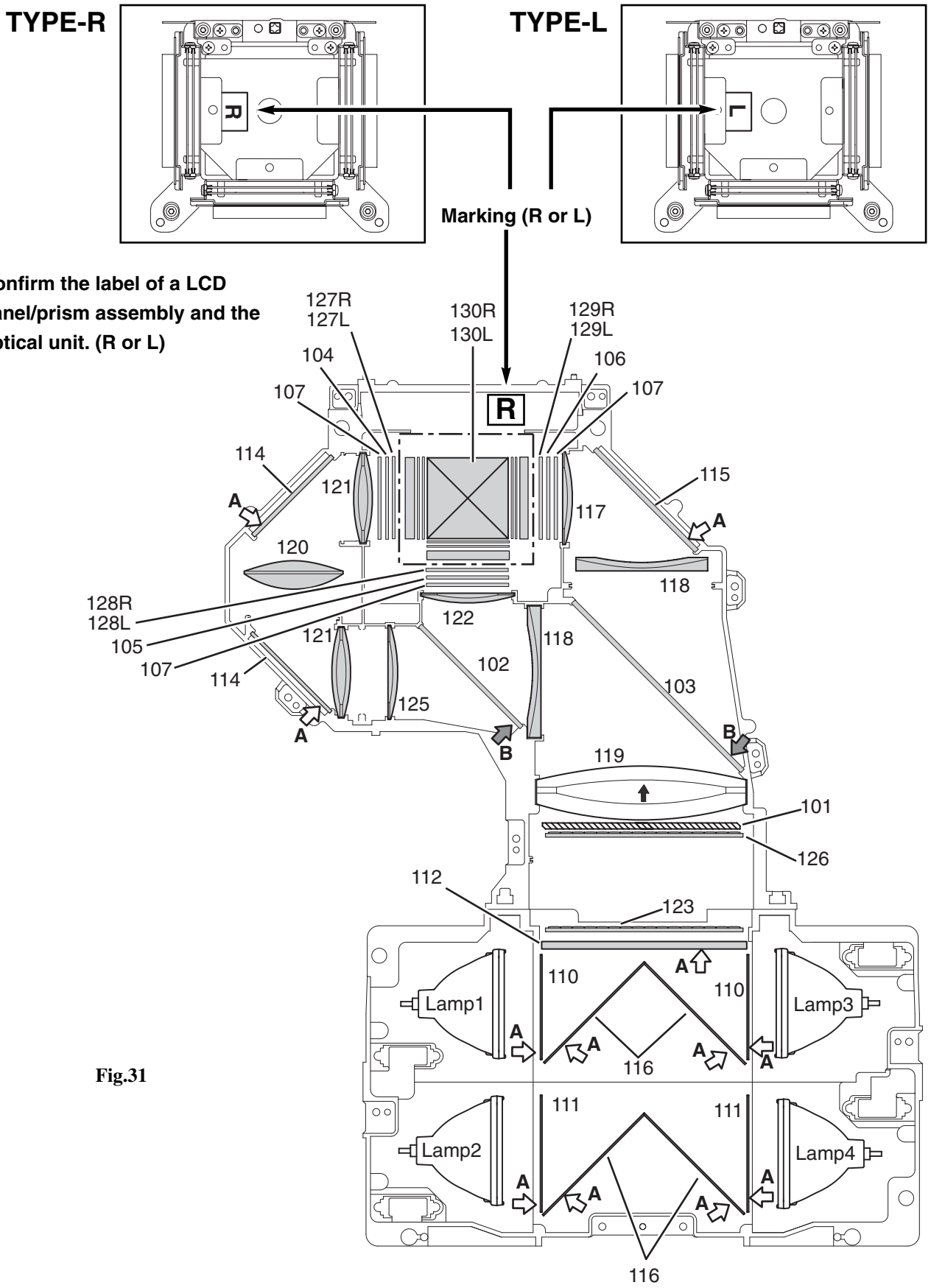


Fig.31

KEY No.	DESCRIPTION	KEY No.	DESCRIPTION
101	PRISM ASSEMBLY (PBS)	119	LENS-CONDENSER (IN)
102	DICHROIC MIRROR (Y)	120	LENS-RELAY (OUT)
103	DICHROIC MIRROR (C)	121	LENS-RELAY (IN)
104	POLARIZED GLASS (IN/B)	122	LENS-CONDENSER(G)
105	POLARIZED GLASS (IN/G)	123	LENS-INTEGRATOR
106	POLARIZED GLASS (IN/R)	125	LENS-CONDENSER(UV-FIL)
107	PREPOLARIZED GLASS (IN)	126	LENS-INTEGRATOR(OUT)
110	OPTICAL FILTER	127R	OPTICAL FILTER (HCP)(TYPE-R)
111	OPTICAL FILTER	127L	OPTICAL FILTER (HCP)(TYPE-L)
112	OPTICAL FILTER (UV/IR)	128R	OPTICAL FILTER (HCP)(TYPE-R)
114	MIRROR (B-COLD)	128L	OPTICAL FILTER (HCP)(TYPE-L)
115	MIRROR (R)	129R	OPTICAL FILTER (HCP)(TYPE-R)
116	MIRROR (COLD)	129L	OPTICAL FILTER (HCP)(TYPE-L)
117	LENS-CONDENSER(R-FIL)	130R	PRISM/LCD PANEL ASSEMBLY(TYPE-R)
118	LENS-CONDENSER(OUT)	130L	PRISM/LCD PANEL ASSEMBLY(TYPE-L)

Optical Unit Type-R

NO.130R

LCD Panel/Prism ass'y (TYPE-R)

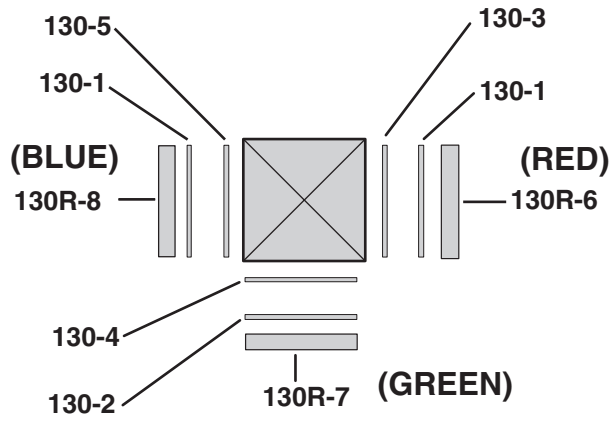


Fig.32a

130-1	POLARIZED GLASS(OUT)RB
130-2	POLARIZED GLASS(OUT)G
130-3	POLARIZED GLASS(OUT/R)
130-4	POLARIZED GLASS (OUT/G)
130-5	POLARIZED GLASS (OUT/B)
130-6R	LCD PANEL (R) (TYPE-R)
130-7R	LCD PANEL (G) (TYPE-R)
130-8R	LCD PANEL (B) (TYPE-R)

Optical Unit Type-L

NO.130L

LCD Panel/Prism ass'y (TYPE-L)

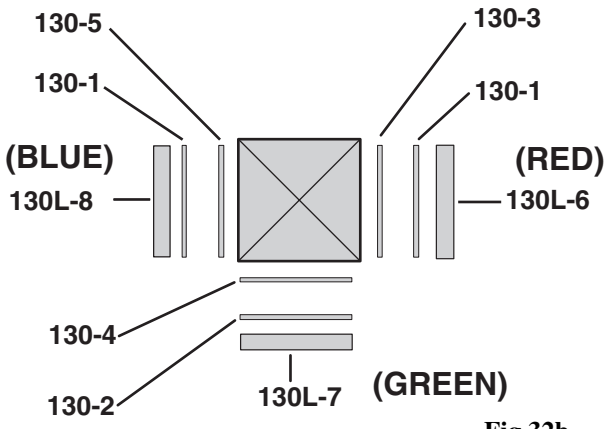


Fig.32b

130-1	POLARIZED GLASS(OUT)RB
130-2	POLARIZED GLASS(OUT)G
130-3	POLARIZED GLASS(OUT/R)
130-4	POLARIZED GLASS (OUT/G)
130-5	POLARIZED GLASS (OUT/B)
130-6L	LCD PANEL (R) (TYPE-L)
130-7L	LCD PANEL (G) (TYPE-L)
130-8L	LCD PANEL (B) (TYPE-L)

Optical filter(HCP) and Polarized glass

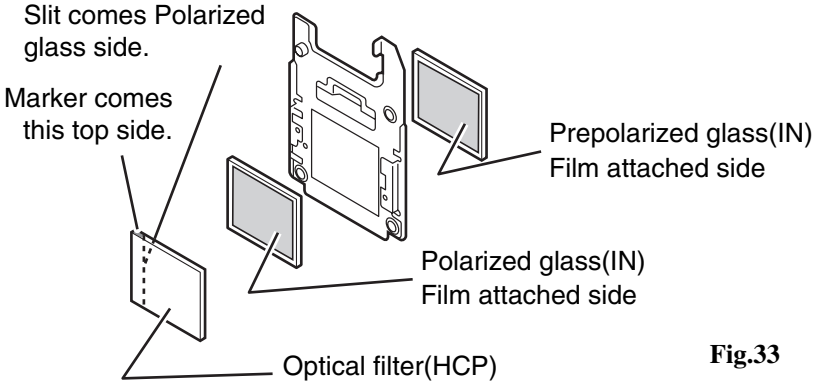
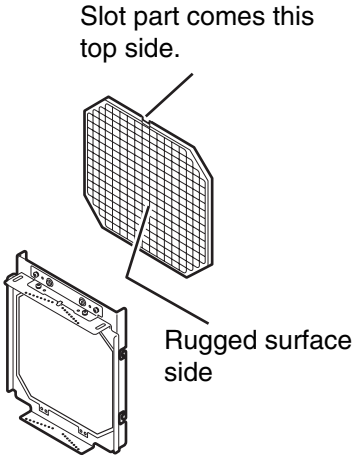

Slit comes Polarized glass side.
Marker comes this top side.
Prepolarized glass(IN) Film attached side
Polarized glass(IN) Film attached side
Optical filter(HCP)

Fig.33

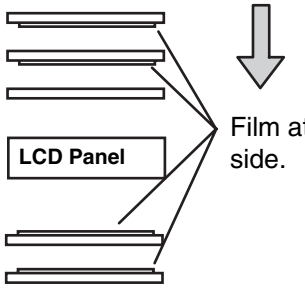
Integrator lens (In)



Integrator lens should be placed as rugged surface side comes to the Holder side.

Fig.35

Polarized glass

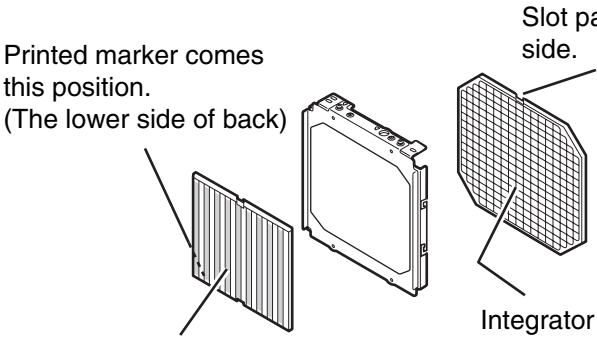


Polarized glasses should be placed as the film attached side comes to the LCD panel side.

Fig.36

PBS and Integrator lens (OUT)

Fig.39


Printed marker comes this position. (The lower side of back)
Slot part comes this top side.
Film attached side comes to this side.
Integrator lens should be placed as rugged surface side comes to the Holder side.

Relay lens(OUT)

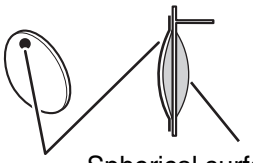


Fig.34

Spherical surface side

The marker comes this surface side
(Non Spherical surface side)

Mirror and Optical filter

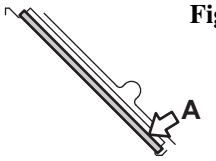


Fig.37

Printed marker comes this surface side.

Dichroic mirror

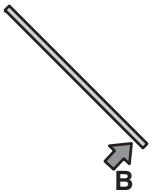


Fig.38

Printed marker comes always to the position of the figure.

Condenser Lens(OUT)

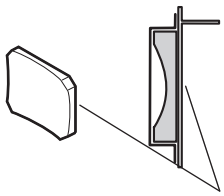
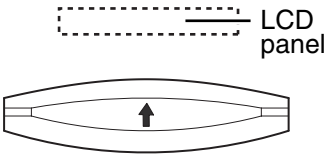


Fig.40

Plane surface comes this side.

Condenser Lens(IN)



The arrow mark points at the LCD panel.

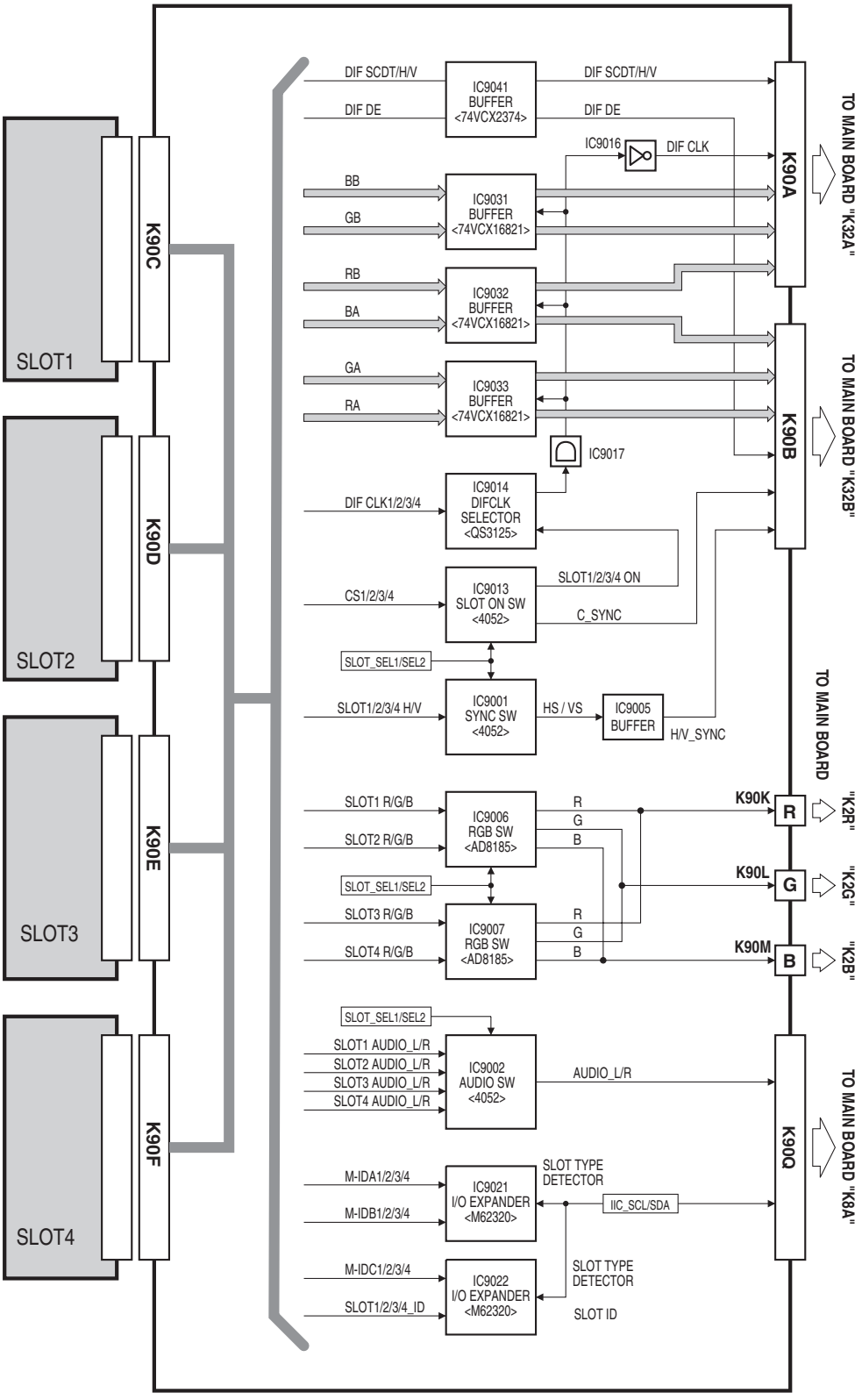
Fig.41

■ Troubleshooting

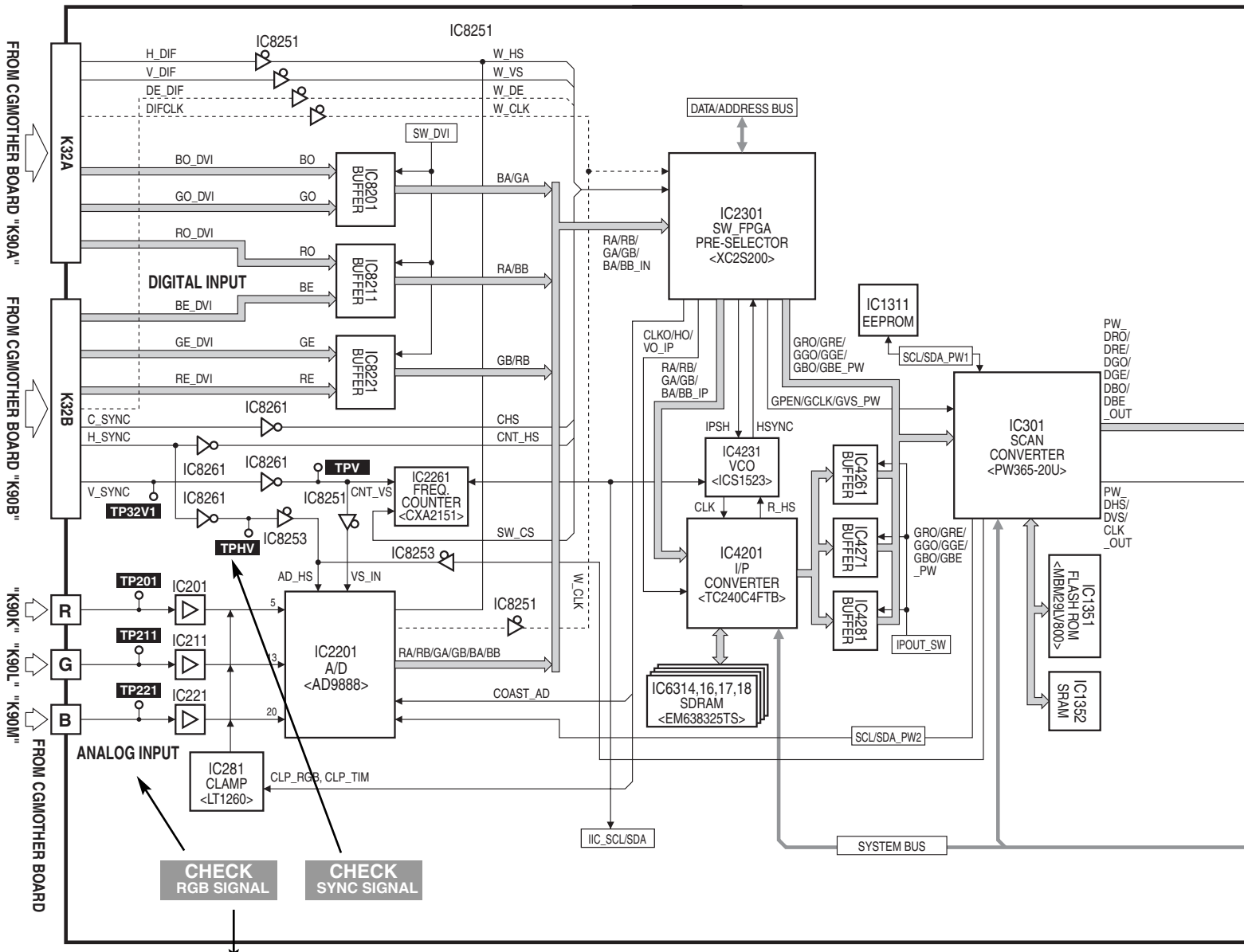
● No Picture

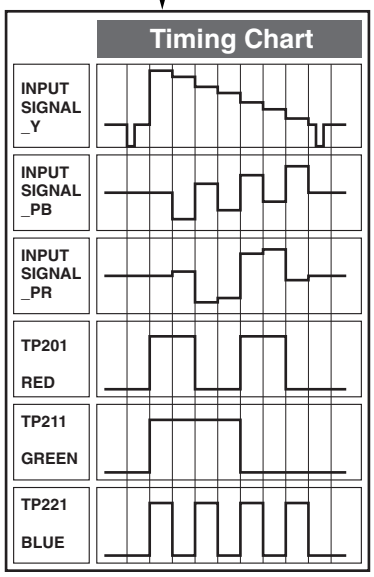
Check the CG_MOTHER Board.

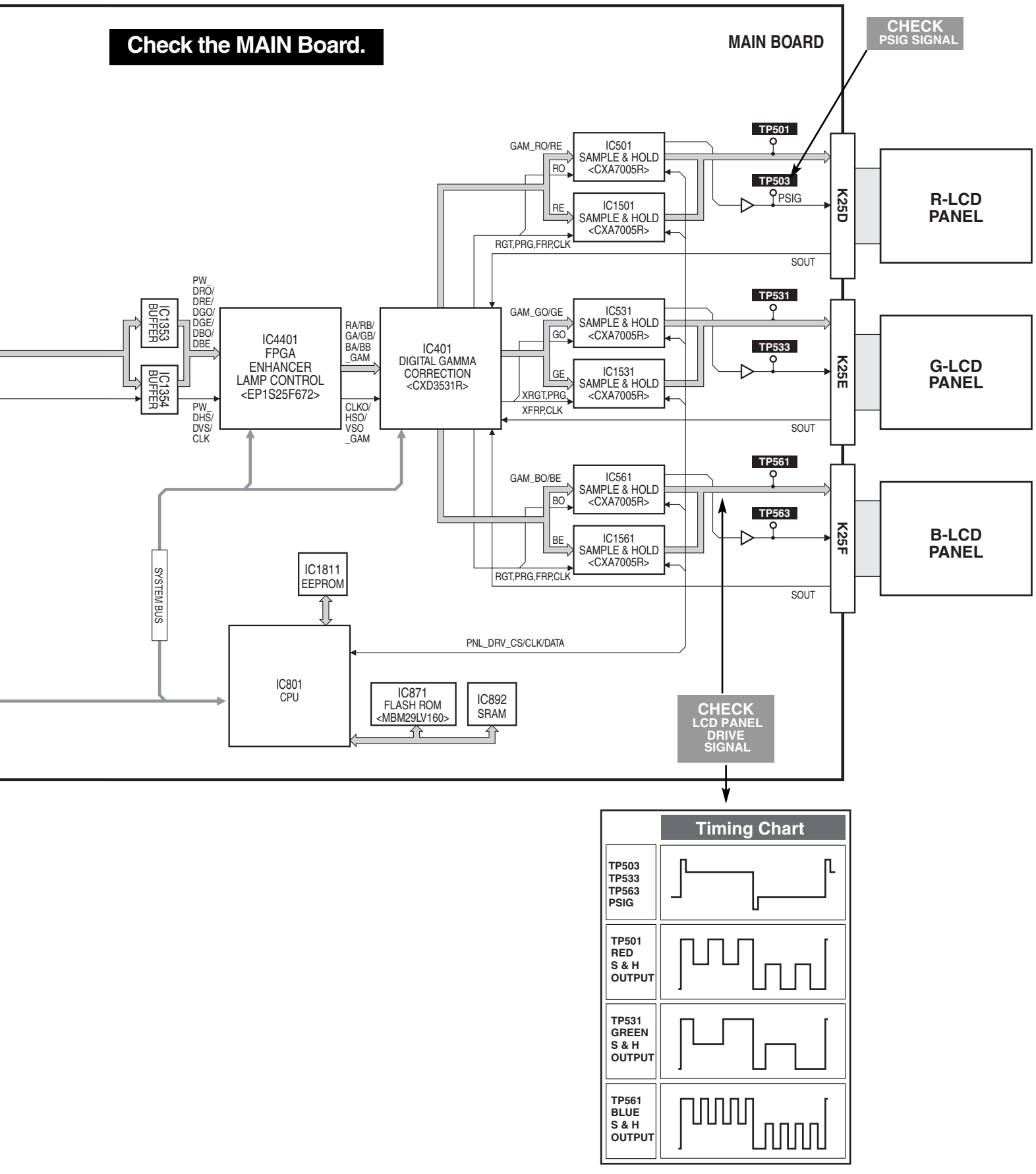
Check the Vcc voltages.
S9V / S6V (Always)
9V / 5VB / -5V (Switched)
Check the signal lines.



● No Picture


FROM CGMOTHER BOARD "K90A"
FROM CGMOTHER BOARD "K90B"
"K90K" "K90L" "K90M"
FROM CGMOTHER BOARD
K32A
K32B
R
G
B
IC8251
H_DIF
V_DIF
DE_DIF
DIFCLK
W_HS
W_VS
W_DE
W_CLK
SW_DVI
BO_DVI
GO_DVI
RO_DVI
BE_DVI
GE_DVI
RE_DVI
BO
GO
RO
BE
GE
RE
IC8201 BUFFER
IC8211 BUFFER
IC8221 BUFFER
DIGITAL INPUT
BA/GA
RA/BB
GB/RB
C_SYNC
H_SYNC
V_SYNC
CHS
CNT_HS
IC8261
TPV
TP32V1
TPHV
IC2261 FREQ. COUNTER <CXA2151>
CNT_VS
SW_CS
IC8253
AD_HS
VS_IN
TP201
TP211
TP221
IC201
IC211
IC221
IC2201 A/D <AD9888>
RA/RB/GA/GB/BA/BB
COAST_AD
W_CLK
ANALOG INPUT
IC281 CLAMP <LT1260>
CLP_RGB, CLP_TIM
IIC_SCL/SDA
DATA/ADDRESS BUS
IC2301 SW_FPGA PRE-SELECTOR <XC2S200>
RA/RB/ GA/GB/ BA/BB_IN
CLKO/HO/ VO_IP
RA/RB/ GA/GB/ BA/BB_IP
GRO/GRE/ GGO/GGE/ GBO/GBE_PW
GPEN/GCLK/GVS_PW
IC1311 EEPROM
SCL/SDA_PW1
IPSH
HSYNC
IC4231 VCO <ICS1523>
CLK
R_HS
IC4201 I/P CONVERTER <TC240C4FTB>
IC4261 BUFFER
IC4271 BUFFER
IC4281 BUFFER
GRO/GRE/ GGO/GGE/ GBO/GBE _PW
IPOUT_SW
IC6314,16,17,18 SDRAM <EM638325TS>
SCL/SDA_PW2
IC301 SCAN CONVERTER <PW365-20U>
PW_ DRO/ DRE/ DGO/ DGE/ DBO/ DBE _OUT
PW_ DHS/ DVS/ CLK _OUT
IC1351 FLASH ROM <MBM29LV800>
IC1352 SRAM
SYSTEM BUS
CHECK RGB SIGNAL
CHECK SYNC SIGNAL

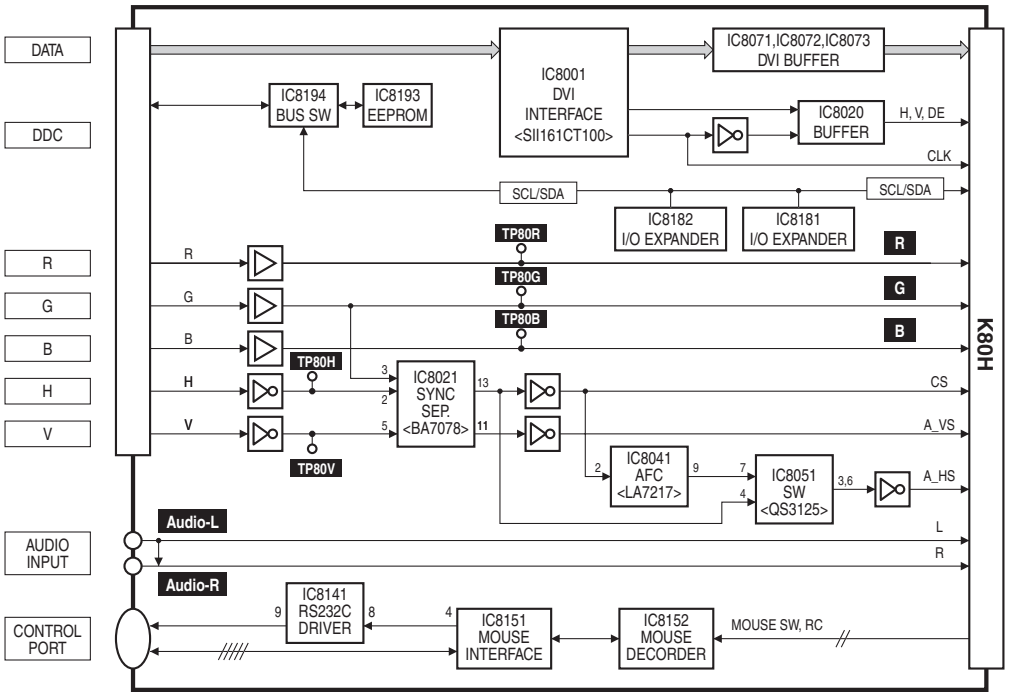

Timing Chart
INPUT SIGNAL _Y
INPUT SIGNAL _PB
INPUT SIGNAL _PR
TP201 RED
TP211 GREEN
TP221 BLUE


Check the MAIN Board.
MAIN BOARD
CHECK
PSIG SIGNAL
TP501
TP503
PSIG
TP531
TP533
TP561
TP563
GAM_RO/RE
RO
RE
IC501
SAMPLE & HOLD
<CXA7005R>
IC1501
SAMPLE & HOLD
<CXA7005R>
RGT,PRG,FRP,CLK
SOUT
GAM_GO/GE
GO
GE
IC531
SAMPLE & HOLD
<CXA7005R>
IC1531
SAMPLE & HOLD
<CXA7005R>
XRGT,PRG
XFRP,CLK
GAM_BO/BE
BO
BE
IC561
SAMPLE & HOLD
<CXA7005R>
IC1561
SAMPLE & HOLD
<CXA7005R>
K25D
K25E
K25F
R-LCD
PANEL
G-LCD
PANEL
B-LCD
PANEL
IC1353
BUFFER
IC1354
BUFFER
PW_
DRO/
DRE/
DGO/
DGE/
DBO/
DBE
PW_
DHS/
DVS/
CLK
IC4401
FPGA
ENHANCER
LAMP CONTROL
<EP1S25F672>
RA/RB/
GA/GB/
BA/BB
_GAM
CLKO/
HSO/
VSO
_GAM
IC401
DIGITAL GAMMA
CORRECTION
<CXD3531R>
SYSTEM BUS
IC1811
EEPROM
IC801
CPU
IC871
FLASH ROM
<MBM29LV160>
IC892
SRAM
PNL_DRV_CS/CLK/DATA
CHECK
LCD PANEL
DRIVE
SIGNAL
Timing Chart
TP503
TP533
TP563
PSIG
TP501
RED
S & H
OUTPUT
TP531
GREEN
S & H
OUTPUT
TP561
BLUE
S & H
OUTPUT

● No Picture

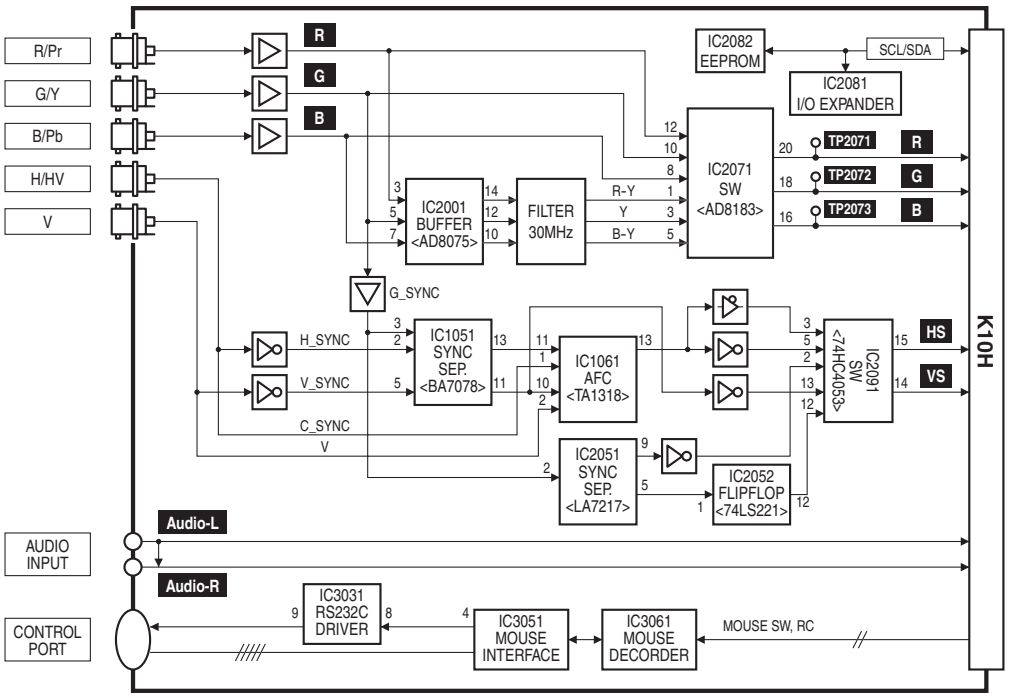
Check the terminal board-DVI.

Check the Vcc voltages.
S9V (Always)
9V / 5VB / -5V (Switched)
Check the test points.



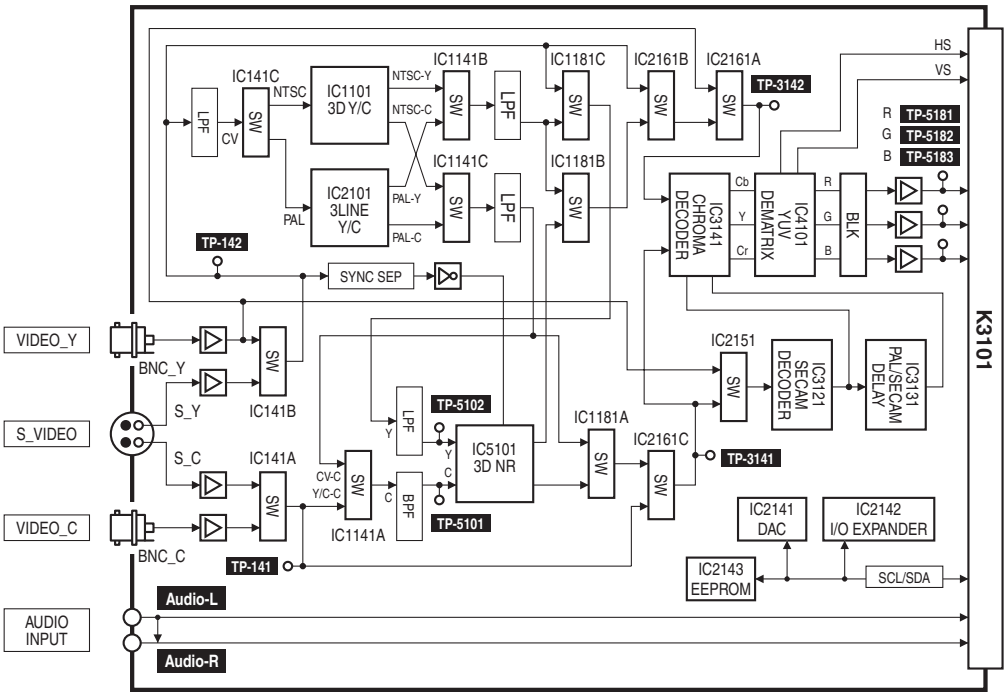
Check the terminal board-COMPONENT.

Check the Vcc voltages.
S9V (Always)
9V / 5VB / -5V (Switched)
Check the test points.

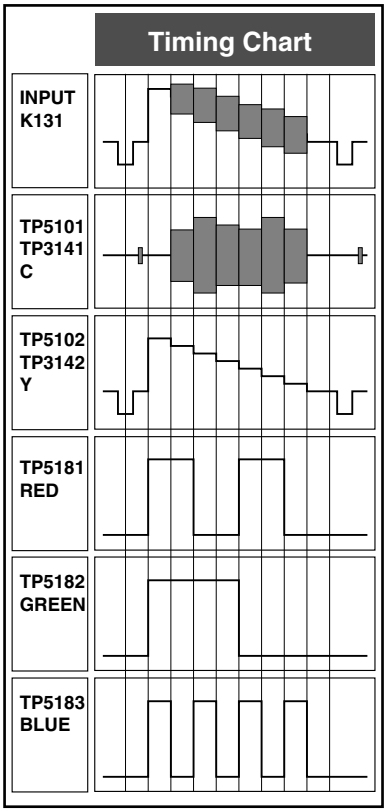


Check the terminal board-AV.

Check the Vcc voltages.
S9V (Always)
9V / 5VB / -5V (Switched)
Check the test points.

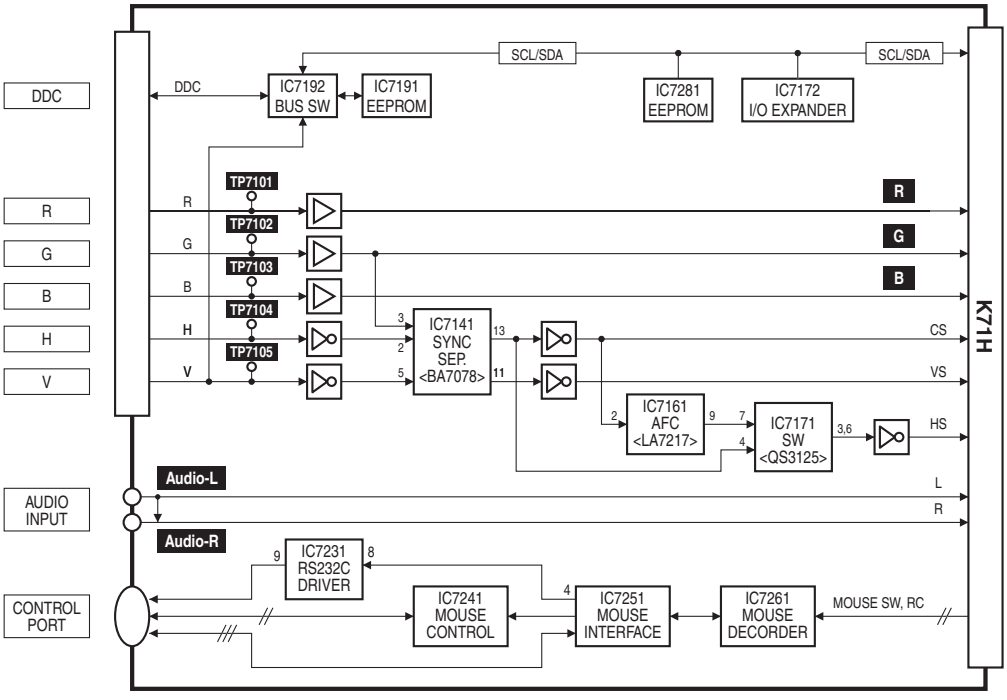


Timing Chart



Check the terminal board-DSUB15.

Check the Vcc voltages.
S9V (Always)
9V / 5VB / -5V (Switched)
Check the test points.



● No Power

Check that IIC Bus signals are correct.

Check that POWER FAIL signals are correct.
L : Abnormality

Check that POWER ON/OFF signal is correct.
L : Abnormality

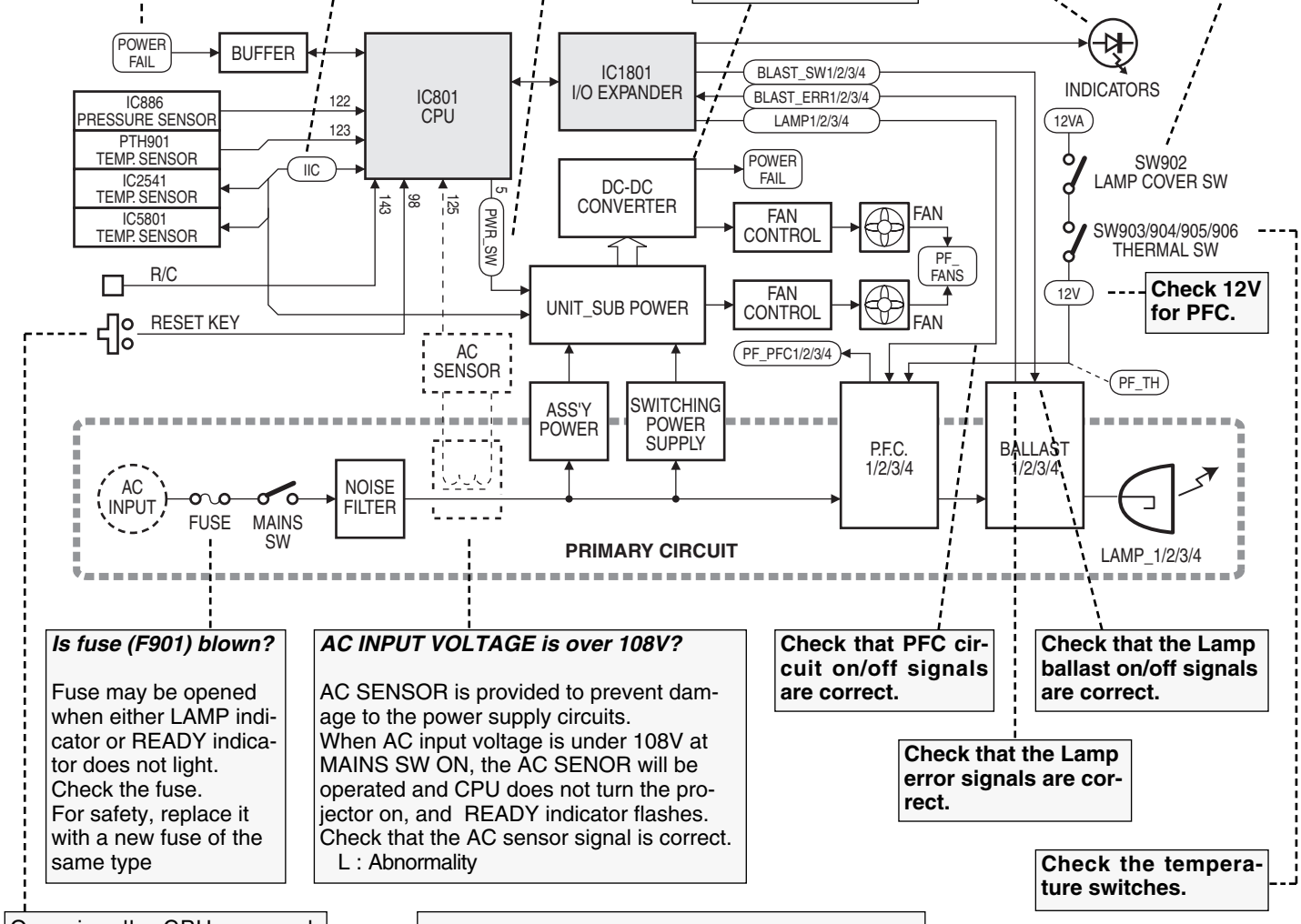
Are the LAMP indicator (red) and READY indicator (green) light?

If the LAMP and READY indicators are not light, check the primary circuit and S5V of standby power supply circuit.

Is the lamp cover attached correctly?

When the lamp cover is removed or attached not correctly, the projector cannot be turned on.
Check the lamp cover and the lamp cover switch (SW902).
SW902--open: Abnormality

Check that Vcc voltages are correct.



Check 12V for PFC.

Is fuse (F901) blown?

Fuse may be opened when either LAMP indicator or READY indicator does not light.
Check the fuse.
For safety, replace it with a new fuse of the same type

AC INPUT VOLTAGE is over 108V?

AC SENSOR is provided to prevent damage to the power supply circuits.
When AC input voltage is under 108V at MAINS SW ON, the AC SENOR will be operated and CPU does not turn the projector on, and READY indicator flashes.
Check that the AC sensor signal is correct.
L : Abnormality

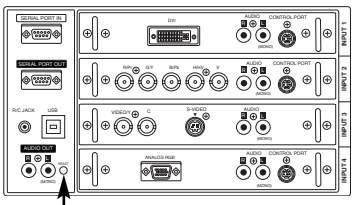
Check that PFC circuit on/off signals are correct.

Check that the Lamp ballast on/off signals are correct.

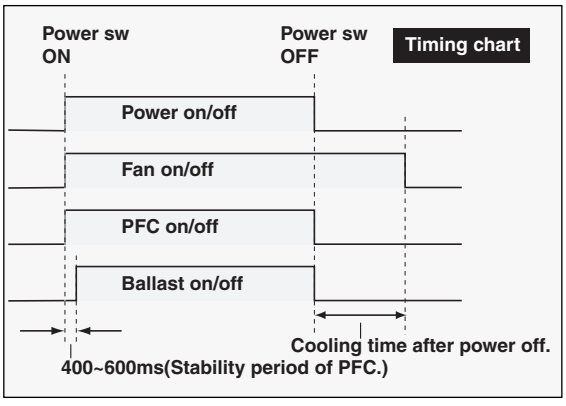
Check that the Lamp error signals are correct.

Check the temperature switches.

Occasionally, CPU may malfunction and need to be reset.

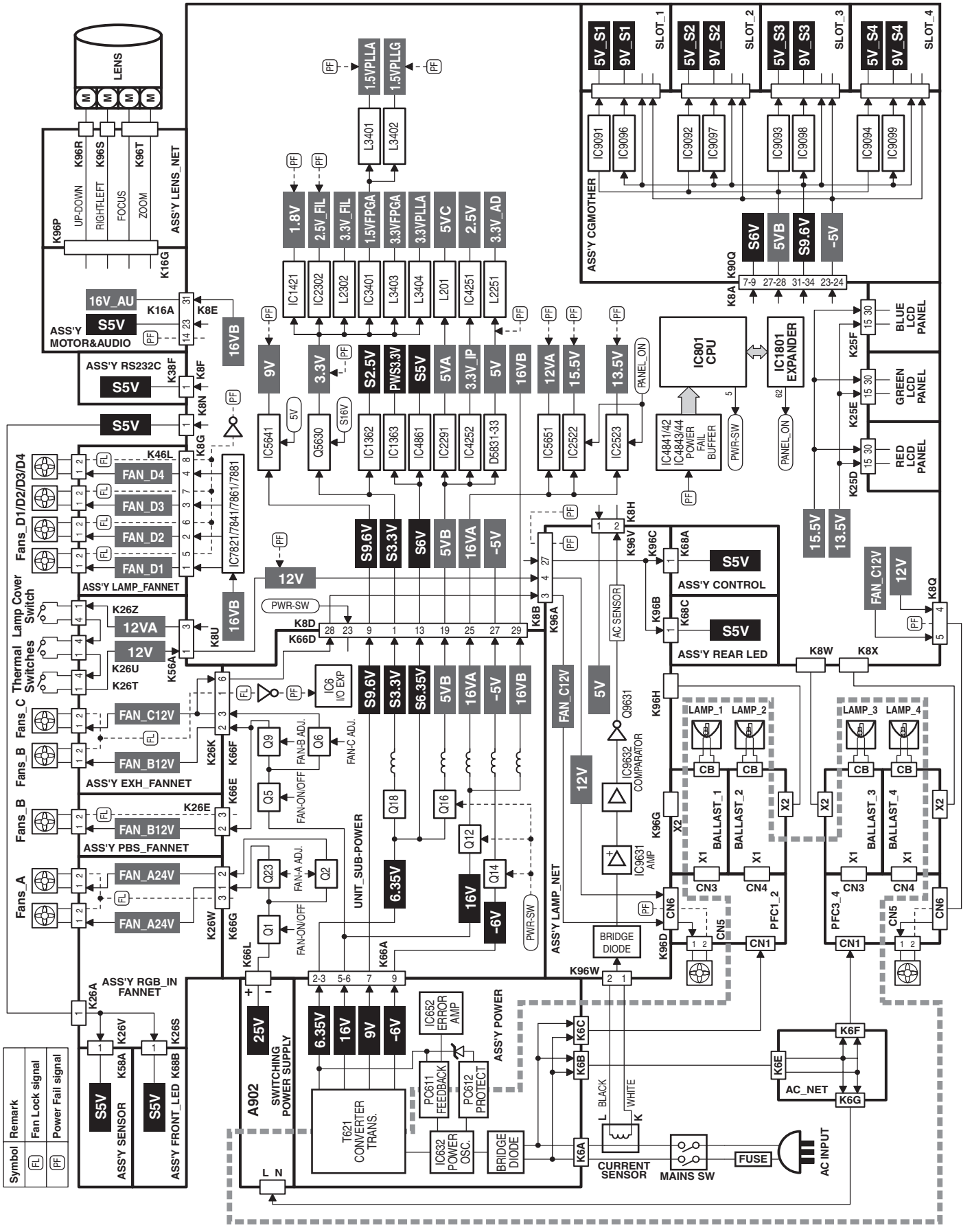


HAND OPERATED RESET
for CPU SW3801



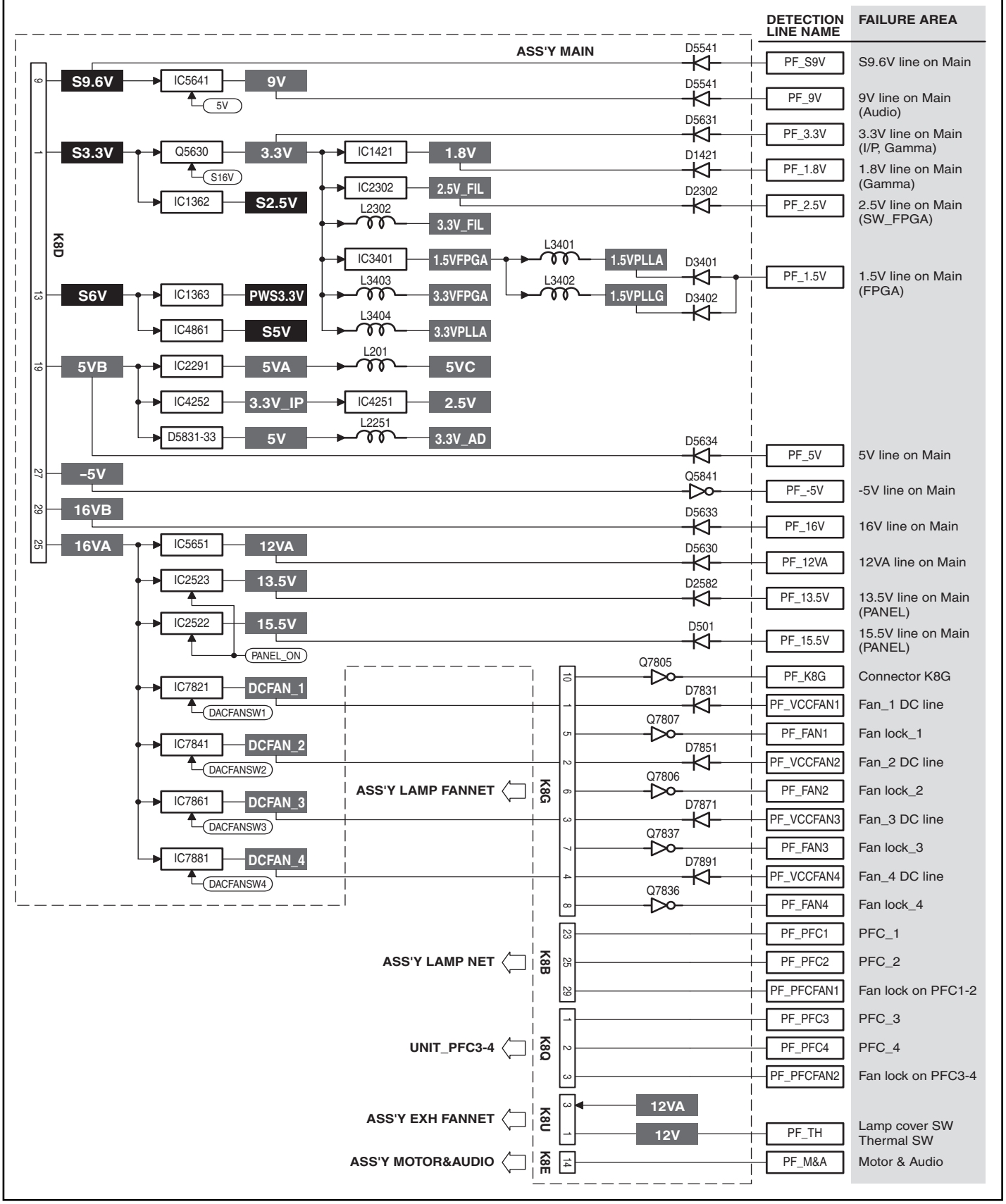
NOTE :
The AC sensor does not exist in some particular models,

● No Power


LENS
ASS'Y LENS_NET
UP-DOWN
RIGHT-LEFT
FOCUS
ZOOM
ASS'Y MOTOR&AUDIO
ASS'Y RS232C
ASS'Y LAMP_FANNET
ASS'Y EXH_FANNET
ASS'Y PBS_FANNET
ASS'Y RGB_IN FANNET
ASS'Y SENSOR
ASS'Y FRONT_LED
ASS'Y CGMOTHER
ASS'Y CONTROL
ASS'Y REAR LED
ASS'Y LAMP_NET
ASS'Y POWER
UNIT_SUB-POWER
SLOT_1
SLOT_2
SLOT_3
SLOT_4
IC801 CPU
IC1801 EXPANDER
IC4841/42 IC4843/44 POWER FAIL BUFFER
BLUE LCD PANEL
GREEN LCD PANEL
RED LCD PANEL
Fans_D1/D2/D3/D4
Fans_C
Fans_B
Fans_A
Lamp Cover Switch
Thermal Switches
FAN_D4
FAN_D3
FAN_D2
FAN_D1
FAN_C12V
FAN_B12V
FAN_A24V
LAMP_1
LAMP_2
LAMP_3
LAMP_4
BALLAST_1
BALLAST_2
BALLAST_3
BALLAST_4
SWITCHING POWER SUPPLY
A902
T621 CONVERTER TRANS.
IC652 ERROR AMP
PC611 FEEDBACK
PC612 PROTECT
IC632 POWER OSC.
BRIDGE DIODE
CURRENT SENSOR
MAINS SW
FUSE
AC INPUT
AC_NET
IC9632 COMPARATOR
IC9631 AMP
PWR-SW
AC SENSOR
PANEL_ON
Symbol
Remark
Fan Lock signal
Power Fail signal

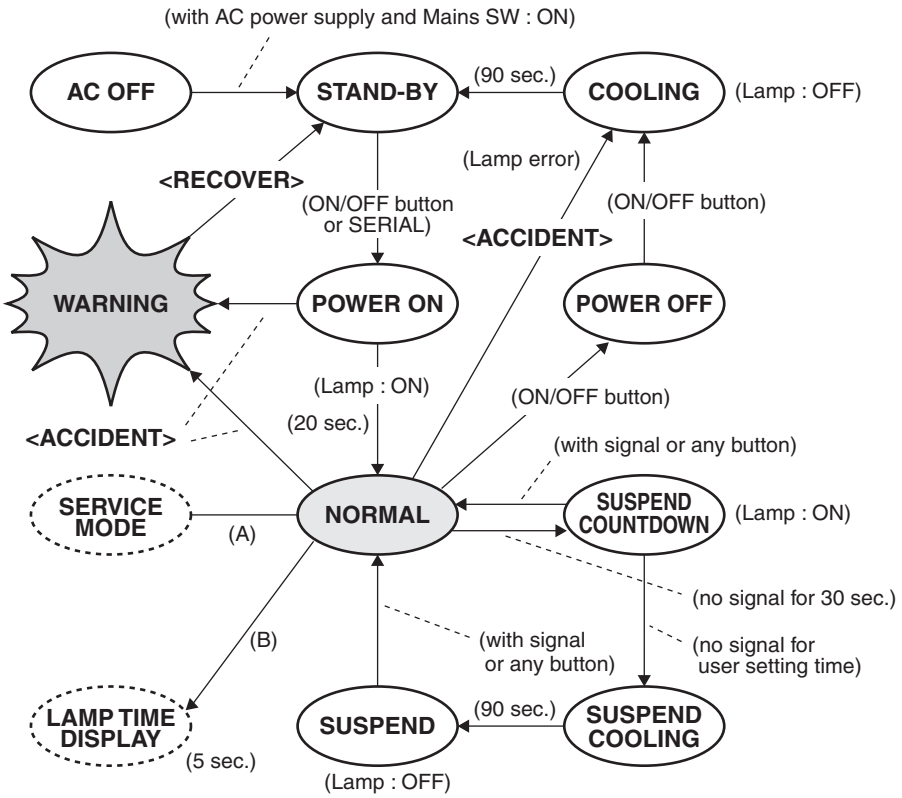
● No Power

Check the power failure detection tree



● No Power

● Flow chart of projector condition



(A) : Press and hold MENU and IMAGE buttons on the projector for 3 sec., or press MENU button on the remote control unit for 20 sec..

(B) : Press and hold POWER ON-OFF button on the projector or on the remote control unit for 20 sec..

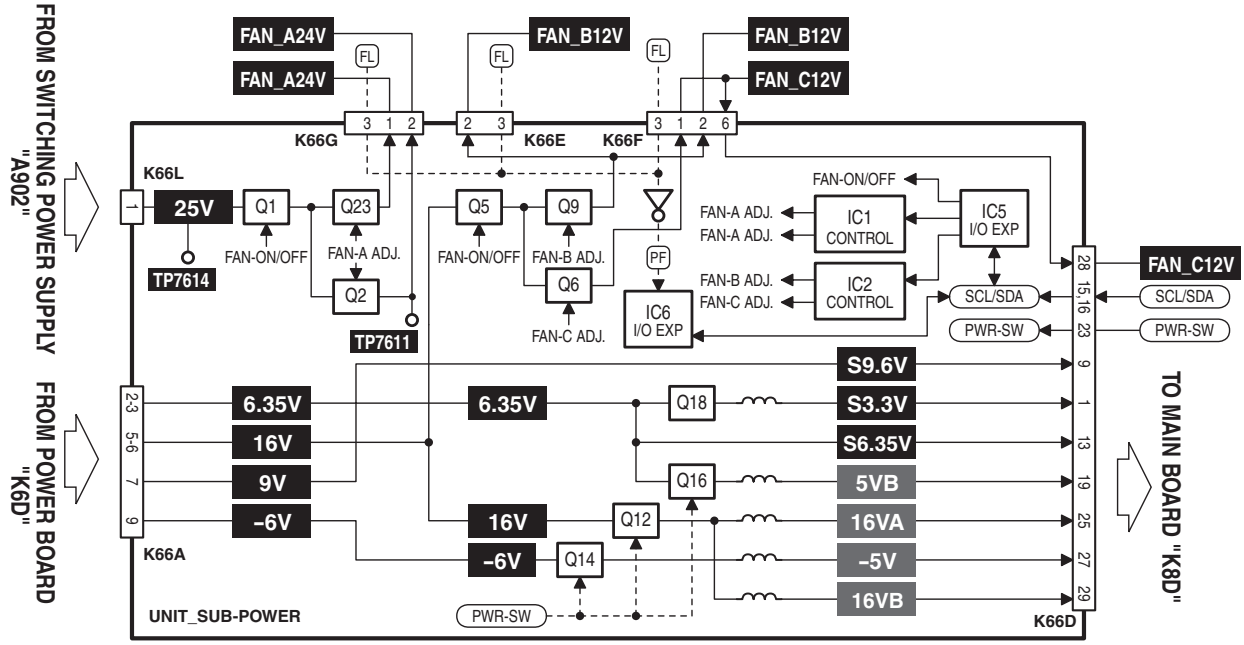
● LED indication and error condition

This Projector provides a function which can be specified a defective area simply by indicating the LEDs. Connect the AC power cord, MAINS SW ON, and press the POWER ON/OFF button once and then check the LED indication.

LAMP (RED)	READY (GREEN)	WARNING TEMP. (RED)	LAMP REPLACE (YELLOW)	ERROR CONDITION	CHECK POINT
OFF	OFF	OFF	OFF	No power (Primary circuit)	AC cord, Fuse, Varistor, Power board
EMIT	BLINK	BLINK	OFF	Power failure (Secondary circuit)	Power failure signals, Fan lock signals, Lamp Cover SW, Thermal SWs
DIM --> EMIT --> EMIT	EMIT --> OFF --> EMIT	BLINK	OFF	Temperature failure --> Cooling --> Standby	Air Filter Intake vents
DIM --> EMIT --> EMIT	EMIT --> OFF --> EMIT	OFF	BLINK --> OFF --> OFF	Lamp failure	Lamp, Lamp Ballast Unit
DIM	EMIT	OFF	EMIT	Lamp Lifetime	Lamp replacement

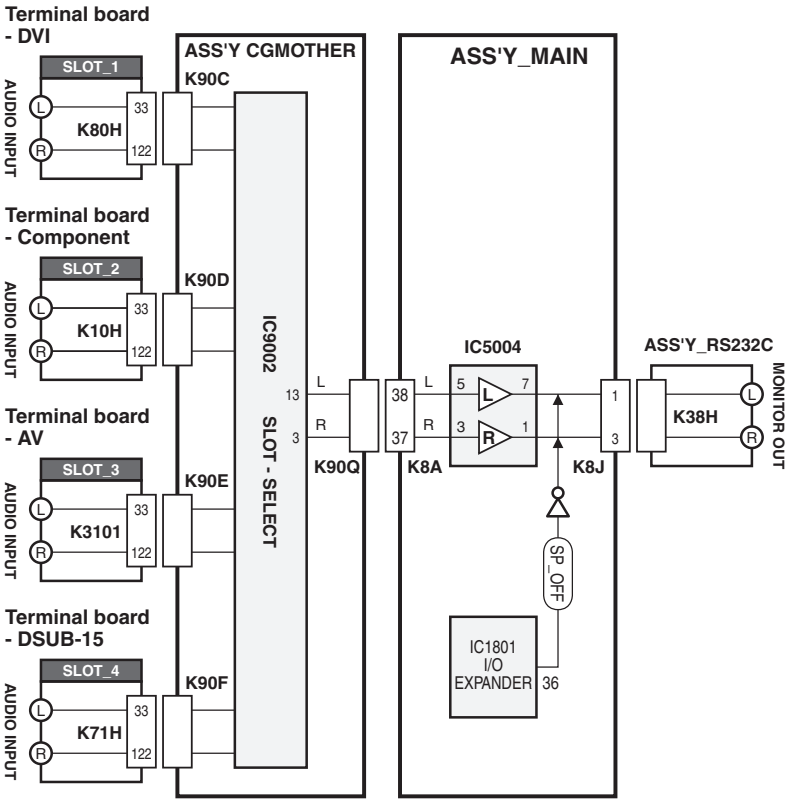
● No Power

Check the Unit_ Sub Power.



● No Audio Output

Audio signal processing circuit



- Check Point -

Terminal board DVI, Component, AV, and DSUB-15.

1. Check that the R and L signals are correct.
   Pins122(R) and 33(L).
   K80H, K10H, K3101, K71H.

Assembly CG-Mother

1. Check that the R and L signals are correct.
   Pins 3(R) and 13(L) of IC9002.

Assembly Main

1. Check that the Vcc-voltages are correct.
2. Check that the L and R input signals are correct.
   Pins 5(L) and 3(R) of IC5004
3. Check that the IC5004 output signals are correct.
   Pins 7(L) and 1(R) of IC5004.

Assembly RS232C

1. Check that the L and R output signals are correct.

● Temperature Abnormality

NOTE : Temperature monitor operation

The temperature monitor system is provided to prevents damage of optical components (the LCD panel and polarization film etc.) inside a projector from overheat. Two protection systems are provided. Each system operation as follows :

------ The temperature monitor -1: ----------

■ To control the air-flow of the cooling fans.

The CPU checks the temperature and atmospheric pressure inside a projector. It checks a temperature using temperature sensor-IC5801 and it checks an atmospheric pressure using pressure sensor-IC886. The CPU judges data from sensors and controls the air flow of the cooling fans so the temperature inside the projector is maintained to normal temperature.

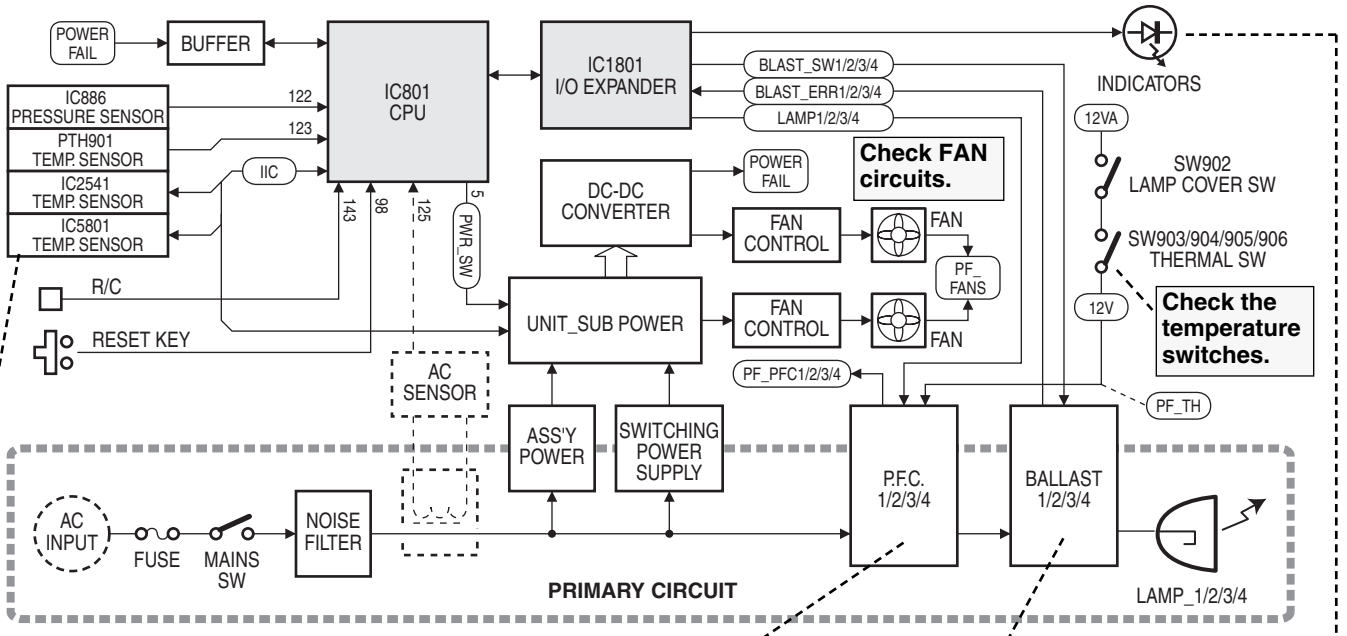
■ To shut down the projector urgent.

The CPU checks temperature of LCD panel periphery(PTH901) and inhalation air(IC5801). If each part temperature reaches to abnormal temperature, the CPU will turn off the projector, and will blink WARNING TEMP. indicator at intervals of 0.5 seconds. Cooling fans operate until temperature returns to normal. Indicator will stop blink, if temperature returns to normal.

------ The temperature monitor -2 : ----------

■ Temperature check of lamps :

Temperature switches are arranged near the lamps. Temperature switches will operate, if temperature reaches 110 degrees. When temperature switches become open, they cut off 12V_PFC line, the power failure "PF_TH" signal become Low, and then the CPU will shut down the projector, and both of READY and WARNING TEMP. indicators will start flashing.



NOTE : SENSORS OPERATION

■ The sensor's operation is as follows:

IC886 : For FAN control
PTH901 : Abnormal temperature detection
IC2541 : Inside air temperature monitor
IC5801 : Abnormal temperature detection and for FAN control

Temperature sensors location can be seen on "protections"(page-7).

The temperature switch is operated?

If the temperature around FET reaches 85 degrees, a PFC circuit will be shut down.

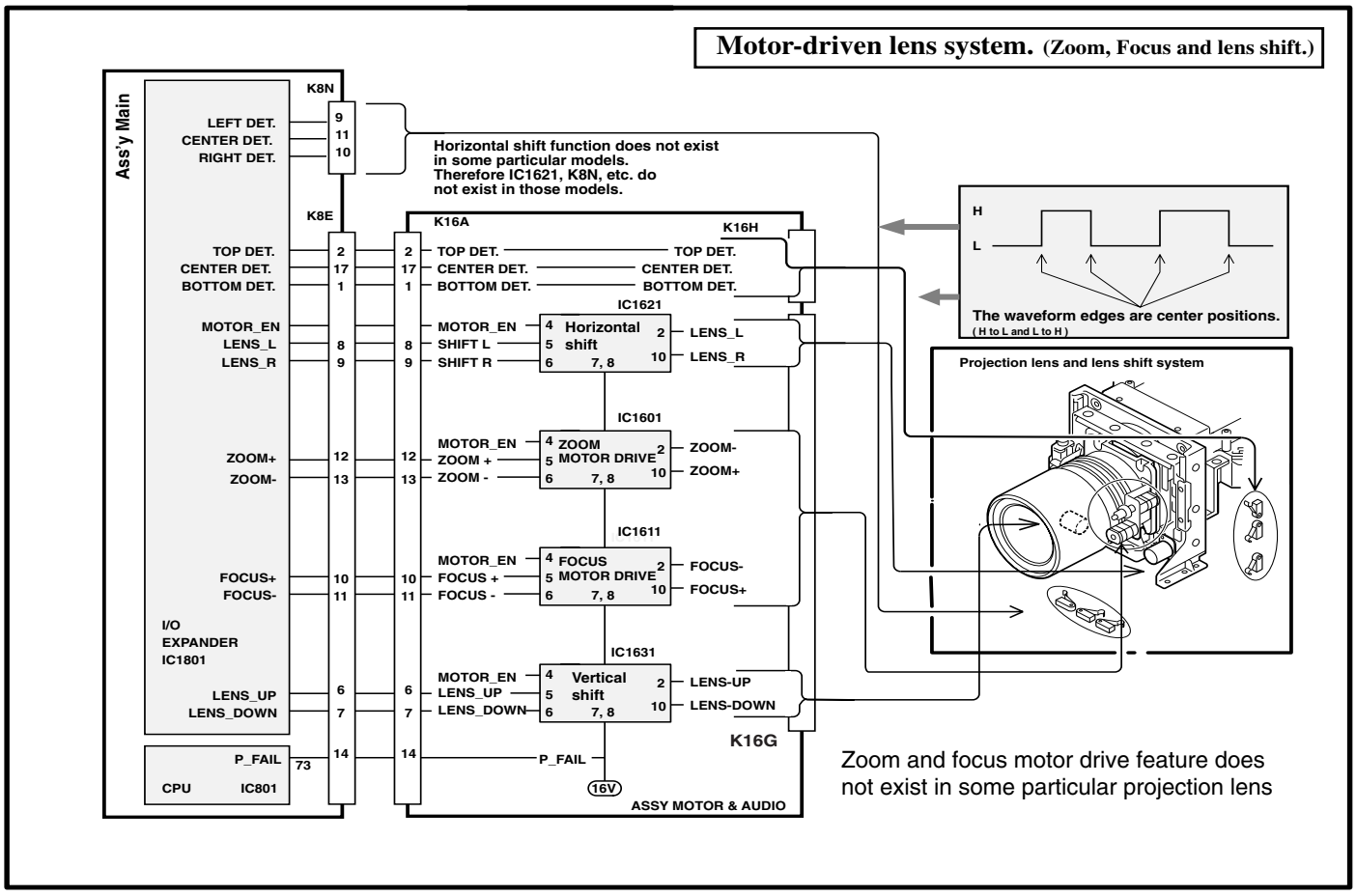
The temperature switch is operated?

When the temperature around a lamp driver reaches 85 degrees, the lamp ballast will be shut down and a lamp error signal changes from L to H.

WARNING TEMP. indicator (red) blink?

The projector is turned off when the temperature around the LCD panel reaches abnormal temperature. And a WARNING TEMP. indicator blinks.

● Power Lens System Abnormality



Assembly Main

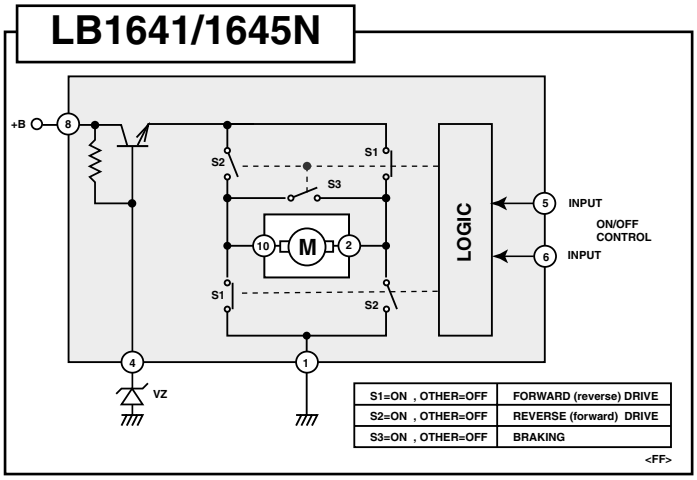
1. Check that the Vcc-voltages are correct.
2. Check that the POWER FAIL signal is correct.
   Pin14 of K8E H: Normal
3. Check that the LENS SHIFT up and down signals are correct.
   Pins 6 and 7 of K8E
4. Check that the LENS SHIFT left and right signals are correct.
   Pins 8 and 9 of K8E
5. Check that the FOCUS up and down signals are correct.
   Pins 10 and 11 of K8E
6. Check that the ZOOM up and down signals are correct.
   Pins 12 and 13 of K8E
7. Check that the TOP DET. signal is correct.
   Pin 2 of K8E L : TOP
8. Check that the BOTTOM DET. signal is correct.
   Pin 1 of K8E L : BOTTOM
9. Check that the CENTER DET. signal is correct.
   Pin 17 of K8E Center position=The edge of "H to L" or "L to H."
10. Check that the LEFT DET. signal is correct.
    Pin 9 of K8N L : LEFT
11. Check that the RIGHT DET. signal is correct.
    Pin 10 of K8N L : RIGHT
12. Check that the CENTER DET. signal is correct.
    Pin 11 of K8N Center position=The edge of "H to L" or "L to H."

Assembly Motor audio

1. Check that the Vcc-voltages are correct.
2. Check that the POWER FAIL signal is correct.
   Pin14 of K16A. H: Normal
3. Check that the LENS SHIFT up and down signals are correct.
   Pins 5 and 6 of IC1631.
4. Check that the LENS SHIFT left and right signals are correct.
   Pins 5 and 6 of IC1621.
5. Check that the FOCUS up and down signals are correct.
   Pins 5 and 6 of IC1611.
6. Check that the ZOOM up and down signals are correct.
   Pins 5 and 6 of IC1601.
7. Check that the LENS SHIFT motor drive signals are correct.
   Pins 10 and 2 of IC1631 and IC1621.
8. Check that the FOCUS motor drive signals are correct.
   Pins 10 and 2 of IC1611.
9. Check that the ZOOM motor drive signals are correct.
   Pins 10 and 2 of IC1601.

-

Motor drive IC block diagram

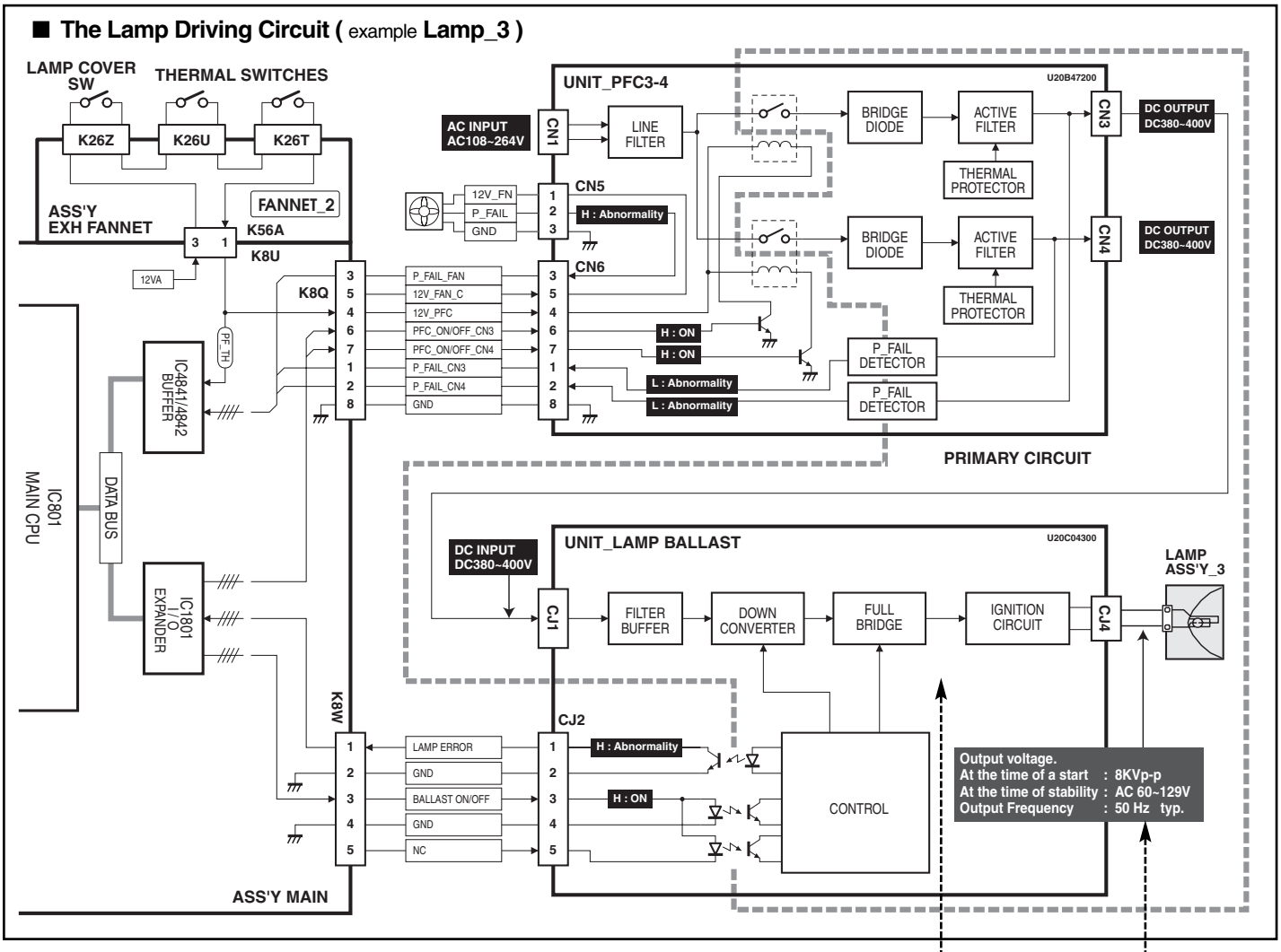


Truth table IC1601/IC1611/IC1621/IC1631

Input		Output		Operation
5	6	2	10	
H	L	H	L	Forward(reverse) drive
L	H	L	H	Reverse(forward) drive
L	L	L	L	Braking

● Lamp Abnormality

■ The Lamp Driving Circuit (example Lamp_3)



NOTE :

- ■ At first, the high-voltage pulse (about 8KVp-p) is generated between the lamp electrodes to generate glow discharge. Then dielectric breakdown occurs, finally glow discharge comes to arc discharge.
- ■ After projector turned on, 30 seconds are required until the light output stabilizes.
- ■ After the projector is turned off, the cooling fans operate for 90 seconds to cool down the lamp and reduce gas pressure inside the lamp.

■ When the temperature around a lamp driver reaches 85 degrees, unit lamp ballast will be shut down and a lamp monitor signal changes from L to H .

■ When the output voltage reaches abnormal voltage (exceeds AC 130V), unit lamp ballast will be shut down and a lamp monitor signal changes from L to H.

NOTE :

■ Lamp Cover Switch

Make sure that the lamp cover is mounted correctly. If not or the lamp cover removed, the lamp does not light for safety.

Check the boss of the lamp cover and the lamp cover switch (SW902).

SW902 -- open : Abnormality

■ Temperature Switches

When the internal temperature near the lamps reaches near 110°C, the temperature switches open and 12V_PFC is not supplied to PFC-Unit.

SW903 - SW906 -- open : Abnormality

■ READY (green) LED indicates lamp monitor operation

LED off: Lamp is being cooled.

LED on: Lamp is being lit or already cooled down.

CPU : ---- Lamp monitor operation ----

- ■ The CPU performs an input check by the lamp monitor pin.
- ■ When the "H" signal continues 1 second or more continuously, the CPU judges the state to be abnormal.
- ■ When it has detected abnormal condition, the CPU turns off a projector compulsorily. And the CPU sets up the cooling time for 90 seconds.
- ■ The projector cannot be turned on during a cooling time.

■ Optical Adjustments

● Adjustments after Parts Replacement (Optical Parts)

● : Adjustment necessary ❍ : Check necessary

	Disassembly / Replaced Parts											
	LCD/ Prism Ass'y	LCD panel	Integrator Lens-in	Integrator Lens-out &PBS	Polarized glass			Optical filter (HCP)			Condenser lens	Relay Lens
					R	G	B	R	G	B		
Optical Adjustments												
Contrast adjustment												
R-Contrast adjustment(Polarized glass)	●	●			●			●				
G-Contrast adjustment(Polarized glass)	●	●				●			●			
B-Contrast adjustment(Polarized glass)	●	●					●			●		
Integrator lens in adjustment-1	❍	❍	●	●								
Integrator lens in adjustment-2	❍	❍	●	●							❍	❍
Integrator lens out adjustment	❍	❍	●	●							❍	❍
Condenser lens adjustment	❍	❍	❍	❍							●	❍
Relay lens adjustment	❍	❍	❍	❍							❍	●
Prism PBS adjustment	❍	❍	●	●							❍	❍
Focus of LCD panel adjustment	●	●										
Convergence adjustment	❍	●										
Electrical Adjustments												
Common center adjustment	●	●										
Panel luminance adjustment	●	●										
White balance adjustment	❍	❍										
Color shading correction	❍	❍										
Panel ghost timer reset (*)	●	●										

(*) Panel Ghost Timer Reset

Be sure to reset the Panel Ghost Timer after the LCD panels or the LCD panel/prism ass'y are replaced to new one. When the panel ghost timer is reset, the visible ghost position will be optimized.

Input mode and signal Not designated

1. Enter the service mode.
2. Set the each data value of the replaced panel to "10", the panel ghost timer is reset.

Group	No.	Replaced Panel
972 -	**1**	**Red** panel
972 -	**3**	**Green** panel
972 -	**5**	**Blue** panel

WARNING : USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING

CAUTION: To prevent suffer of UV radiation, those adjustments must be completed within 25 minutes.

Adjustment optical components location

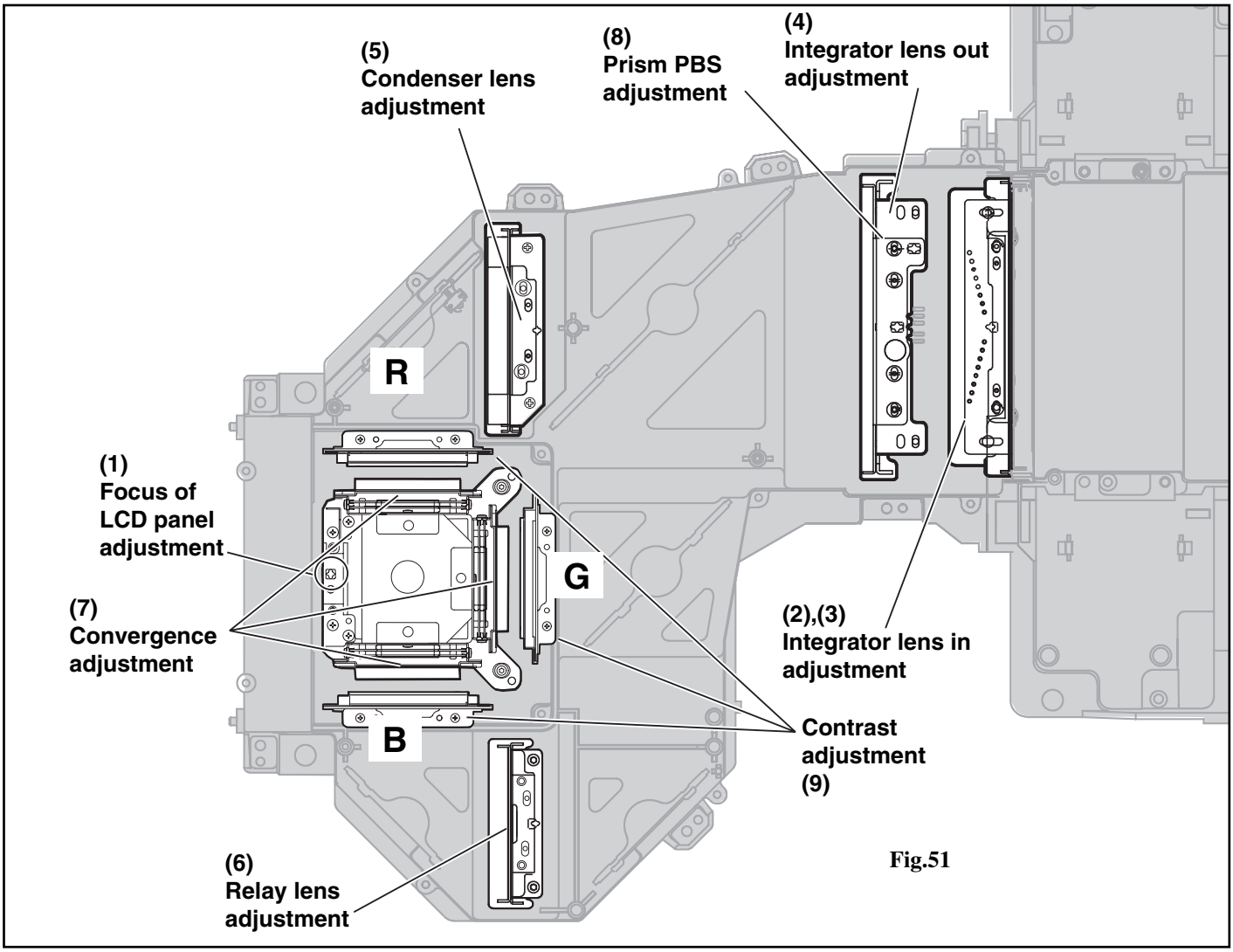


Fig.51

Optical components adjustments procedure

When adjusting optical component, adjust each adjustment item in numerical order.
Incorrect adjustment steps may produce improper adjustment. The items adjusted correctly can be omitted from the steps.

(1) Focus of LCD panel adjustment.
(2) Integrator-lens-in 1 adjustment. (turn)
(3) Integrator-lens-in 2 adjustment. (up / down)
(4) Integrator-lens-out adjustment. (left / right)
(5) Condenser-lens adjustment.
(6) Relay-lens adjustment.
(7) Convergence adjustment.
(8) Prism PBS adjustment.
(9) Contrast adjustment.(Polarized glass unit)

■ Before Adjustment

1. Each adjustment requires ball allen wrenches and slot screwdrivers.
2. Set the motorized lens shift to the center position (horizontal and vertical) with Lens Shift Button.
   Lens shift arrow on screen turns red at center of lens shift.
3. When adjusting optical components adjustments, using Standard Zoom Lens (LNS-S03) is recommended.
4. Display adjustment grid pattern in service mode. For setting service mode, refer to "Service adjustment menu operation".
   a) Set the projector to "service mode".
   b) Select Group No. 998-0.
   c) Press Point LEFT/RIGHT buttons, and each color grid pattern is displayed.
   d) Press Point LEFT/RIGHT buttons several times to quit the grid pattern mode. Press Power ON-OFF button to quit service mode.
5. When adjusting the Integrator Lenses and Prism PBS, remove the flexible cables of the LCD panels from the Main board.
6. When adjusting lenses of the Relay and Condenser, follow the following procedure.
   a) Remove the connectors K8E, K8N, K8P and three flexible cables of the LCD panels from the Main.
   (Do not touch the electrode of flexible cables.)
   b) As shown in a figure below, set the Main board to the upright position.

CAUTION: Do not short Main board with the chassis. Protect Main board with necessary isolation materials from shorting.

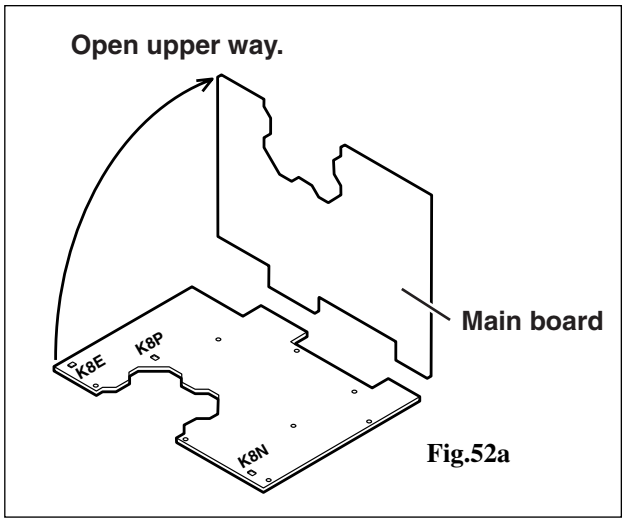


Fig.52a

To enter the "service mode."

To enter the service mode, press the "MENU" and "IMAGE" buttons on the projector simultaneously and hold for 3 seconds.

Refer to Service adjustment menu operation.

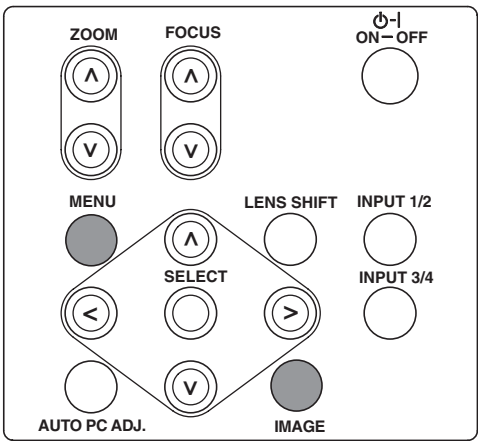


Fig.52b

CAUTION: When adjusting the optical components, do not insert any materials into the optical block for blocking the light. Or the optical block may be damaged by overheating or scratching the parts.

(1) Focus Adjustment of LCD Panel

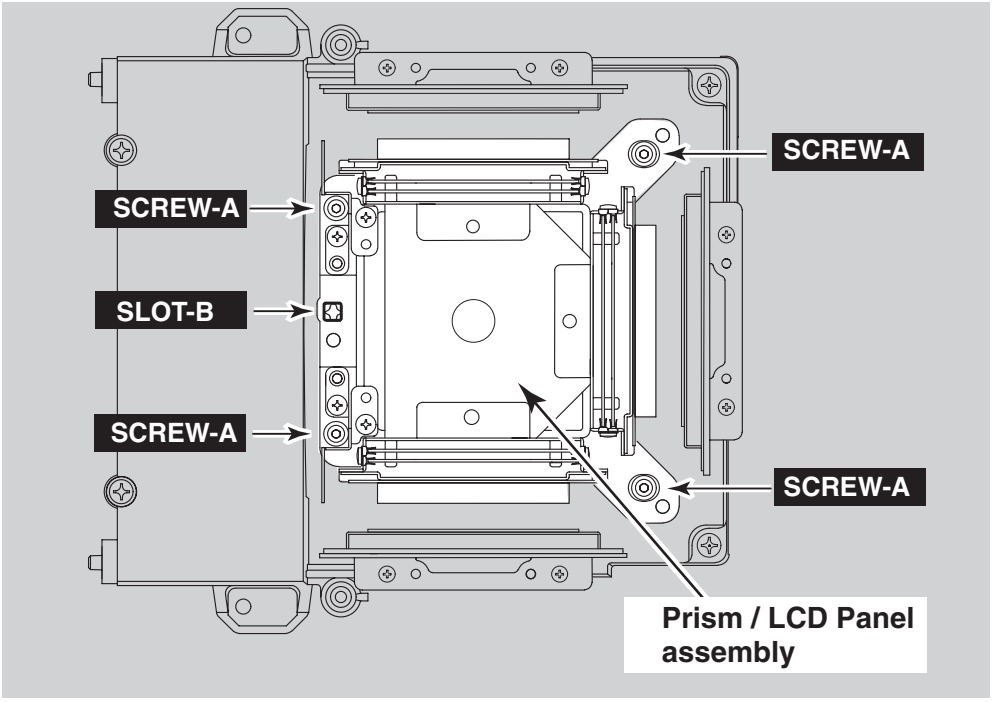


Fig.53a

Before Adjustment :

1. Turn on a projector.
2. Set the projector to "service mode" and project a green grid pattern on a screen. Adjust green grid pattern to sharp focus by pressing Focus (∧)(∨) buttons on the projector or remote control unit.
3. Press Zoom(∧)(∨) buttons on the projector or remote control unit. When focus is changed at minimum Zoom and maximum Zoom, following adjustment is necessary.

Adjustment :

1. Loosen 4 screws-A using ball allen wrench.
2. Set image size to the minimum, pressing Zoom (∨) button on the projector or remote control unit.
3. Adjust center part of green grid pattern to sharp focus, pressing Focus (∧)(∨) buttons on the projector or remote control unit.
4. Set image size to the maximum, pressing Zoom (∧) button on the projector or remote control unit.
5. Insert a slot screwdriver into slot-B, turn it and adjust center part and four corners on the green grid pattern to sharp focus.
6. Repeat steps 2 to 5. Until focus does not shift by the ZOOM position between TELE and WIDE.
7. Tighten 4 screws-A to fix the assembly LCD panel / prism using ball allen wrench.

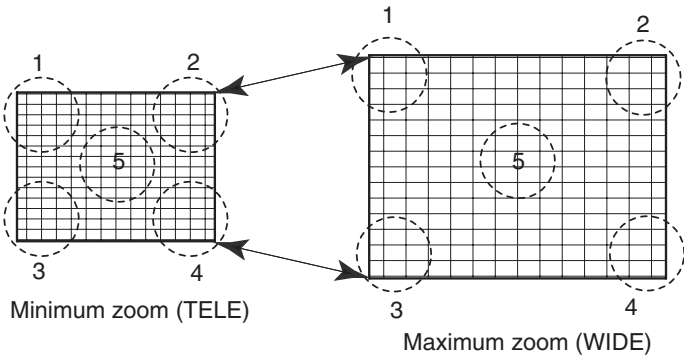


Fig.53b

(2) Integrator-lens-in adjustment-1

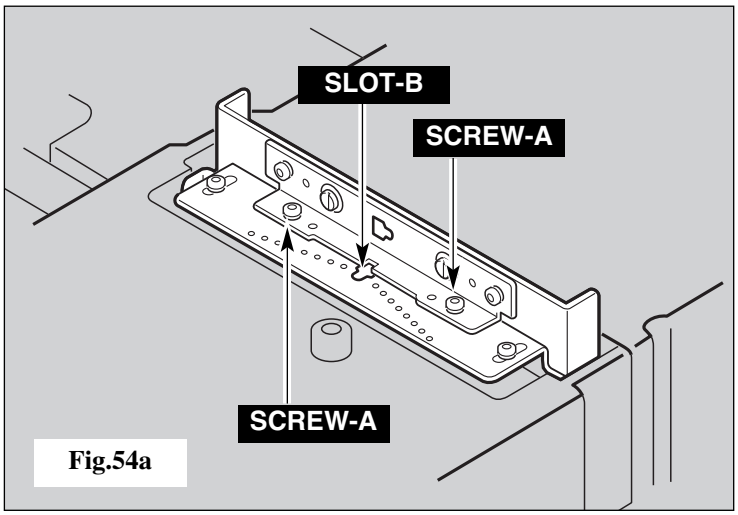


Fig.54a

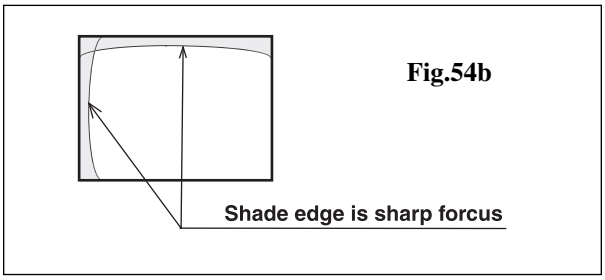


Fig.54b

Before Adjustment :

1. Remove the flexible cables of LCD panels from the Main board. And turn on the projector.
2. Shift the adjustment position of Integrator-lens-out temporarily until shade appears the right or the left on the screen.
   Shift the adjustment position of Integrator-lens-in temporarily until shade appears the top or the bottom on the screen.

Adjustment :

1. loosen 2 screws A.
2. Insert slot screwdriver into slot B, turn it until the shade edge is sharp focus.
3. Tighten the 2 screws A to fix the integrator-lens-in unit.

After the Integrator-lens-in-1 adjustment, readjust the Integrator lens in 2, and Integrator lens out.
Refer to "Integrator lens out adjustment" and "Integrator lens in 2" of next step for the adjustment method.

(3) Integrator-lens-in adjustment-2

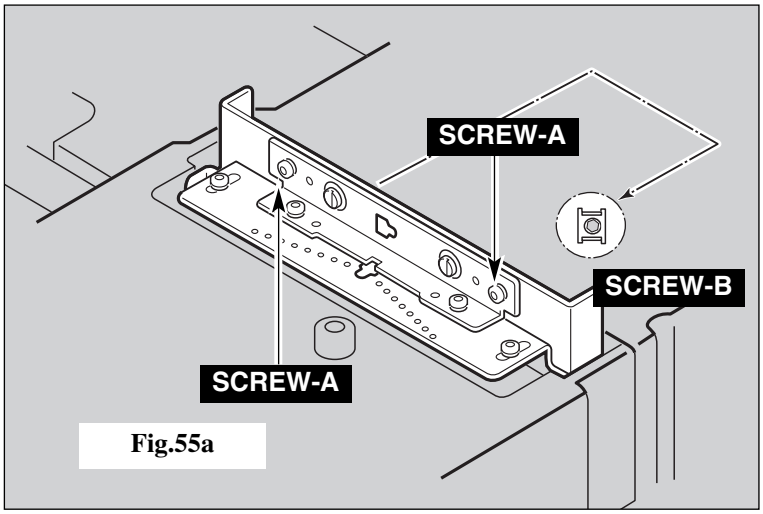


Fig.55a

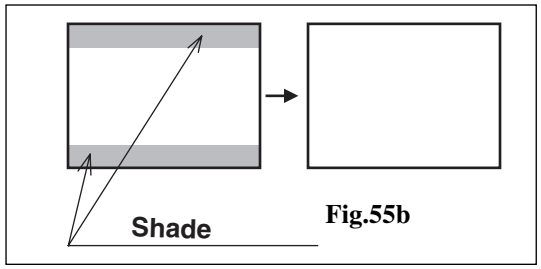


Fig.55b

Before Adjustment :

1. Remove the flexible cables of LCD panels from the Main board. And turn on the projector.
2. If the shade appears on the top or bottom of the screen, adjust in the following procedure.

Adjustment :

1. Loosen 2 screws-A.
2. Insert a ball allen wrench into screw-B, turn it and erase shade.
3. Tighten the 2 screws A to fix the integrator lens-in unit.

(4) Integrator-lens-out adjustment

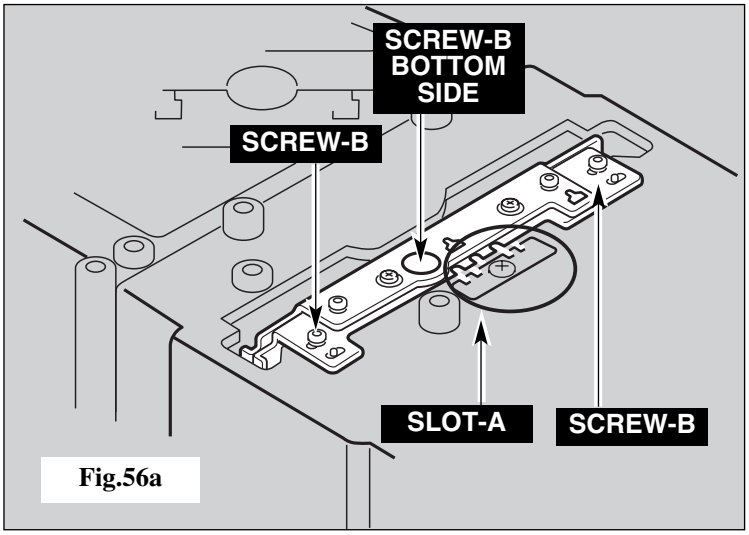


Fig.56a

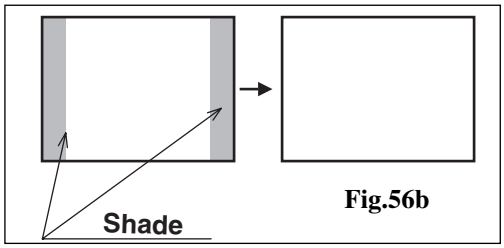


Fig.56b

Before Adjustment :

1. Remove the flexible cables of LCD panels from the Main board. And turn on the projector.

2. If the shade appears on the left or right of the screen, adjust in the following procedure.

Adjustment :

1. Loosen 3 screws-B.
2. Insert a slot screwdriver into slot-A, turn it and erase shade.
3. Tighten the 3 screws B to fix the integrator lens-out unit.

(5) Condenser-lens adjustment

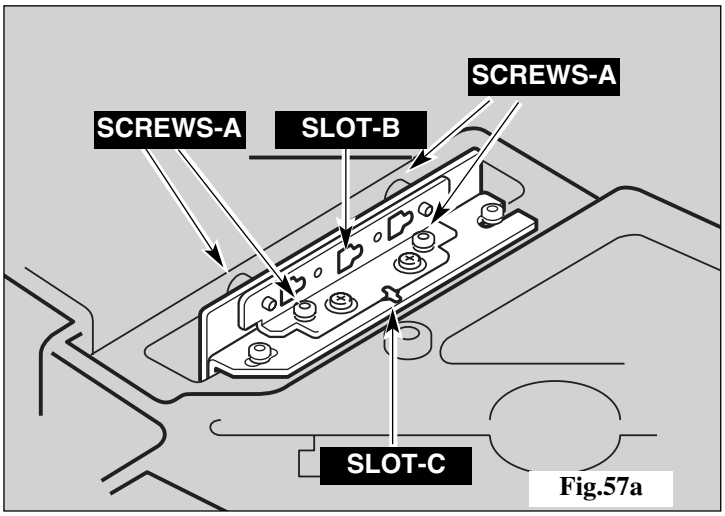


Fig.57a

Before Adjustment :

1. Remove the flexible cables of LCD panels from the Main board. And turn on the projector.
2. If the shade appears on the screen, adjust in the following procedure.

Adjustment :

1. Set the assembly-Main to the upright position.
2. Loosen 4 screws-A.
3. If it appears on the top or bottom.---> Use slot-B.
   If it appears on the left or right. -----> Use slot-C.
   -- Insert slot screwdriver into each slot, turn it and erase shade. --
4. Tighten the 4 screws-A to fix the condenser-lens unit.

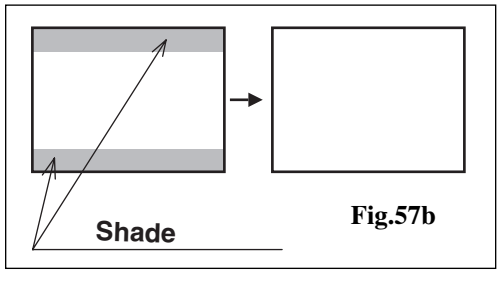


Fig.57b

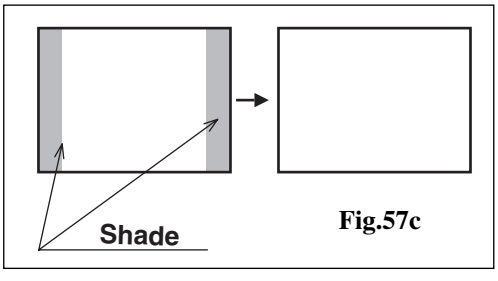


Fig.57c

(6) Relay-lens adjustment

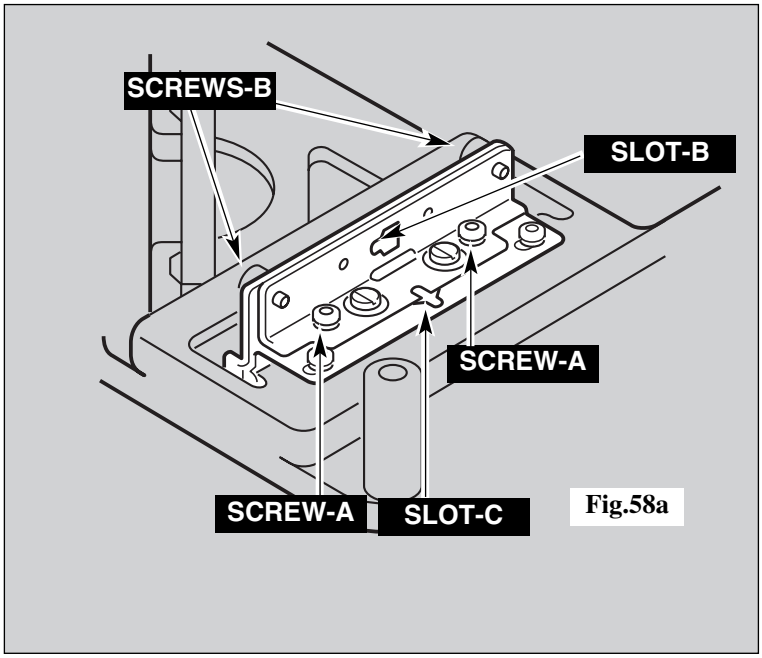


Fig.58a

Before Adjustment :

1. Remove the flexible cables of LCD panels from the Main board. And turn on the projector.
2. If the shade appears on the screen, adjust in the following procedure.

Adjustment :

1. Set the Main board to the upright position.
2. Loosen 4 screws-A.
3. If it appears on the top or bottom.---> Use slot-B.
   If it appears on the left or right. -----> Use slot-C.
   -- Insert slot screwdriver into each slot, turn it and erase shade. --
4. Tighten the 4 screws-A to fix the Relay-lens unit.

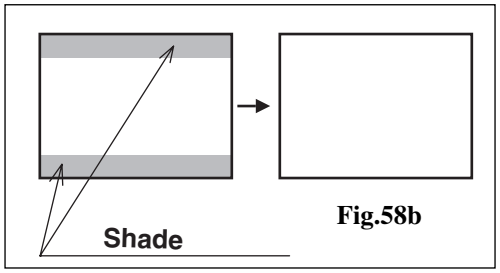


Fig.58b

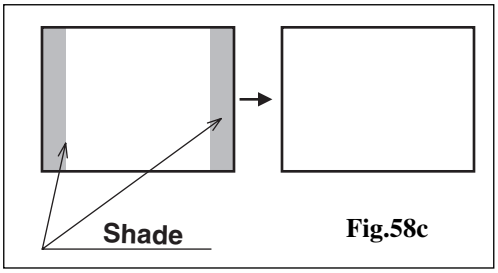


Fig.58c

(7) Convergence adjustment

When adjusting convergence of LCD panels, Convergence Adjustment Tool is needed.
(This Tool can be ordered as a service part. Part No. shown below.)
Mount Adjustment Tool on the LCD panel and adjust each panel convergence.

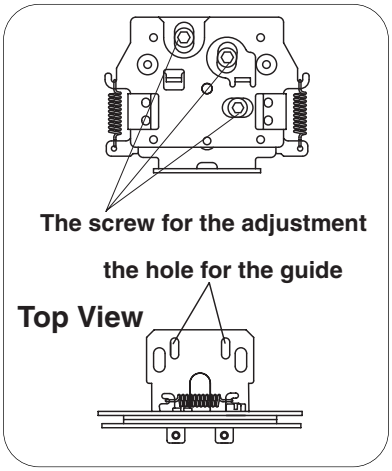


Fig. 59a

Convergence Adjustment Tool (part No. : 610 304 8208)

Screw Setting

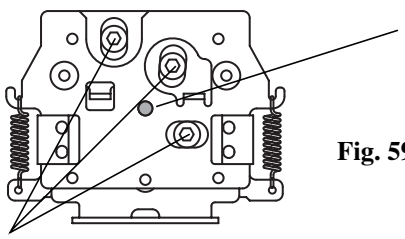


Fig. 59b

Adjust each screw for Hole can be seen clearly through the hole.

Convergence Adjustment Tool can be ordered.
Give the following information to the dealer.
Name ; Assembly CG Adjust LCD - MT8A
Service Parts No. 610 304 8208

■ CONVERGENCE ADJUSTMENT TOOL INSTALLATION AND REMOVAL

Note; Before mounting the Adjustment Tool, set adjustment screws of Adjustment Tool in center of the adjustment range. Refer to Screw Setting. (Fig.59b)

1. Loosen 2screws-A of Prism/LCD panel unit. See Fig.60c.
   CAUTION: When loosening the screws-A, do not touch the other mechanical part or give it shock.
2. Fully loosen 2screws-B on the Adjustment Tool. See Fig.60a, 60b.
3. Fully slide the Adjustment Tool part-A into the LCD Panel Bracket hole.
4. Mount Adjustment Tool on the Prism/LCD panel unit with screws-C attached with Adjustment Tool along the guide on top of Prism Ass'y. See Fig.60d (next page)
   CAUTION: Do not use other kind of screws for mounting, otherwise Prism/LCD panel unit may be damaged.
5. Tighten screws-B and hold the LCD Panel Bracket. See Fig.60a, 60b.

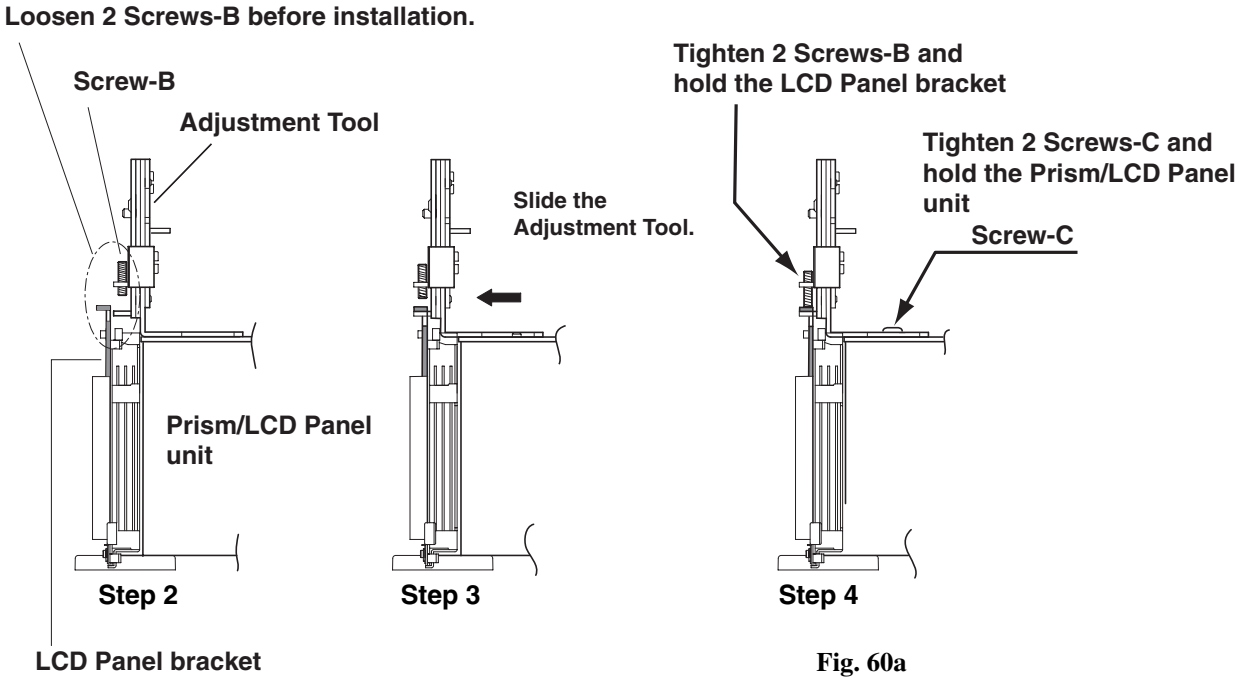


Fig. 60a

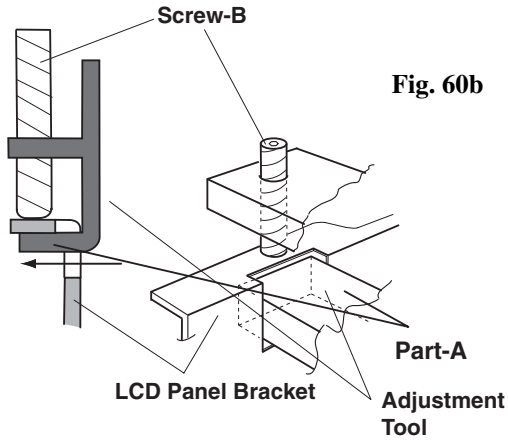


Fig. 60b

Insert Adjustment Tool Leg (2 Legs) into LCD Panel Bracket holes, and tighten screws-B and hold LCD Panel Bracket with Adjustment Tool.

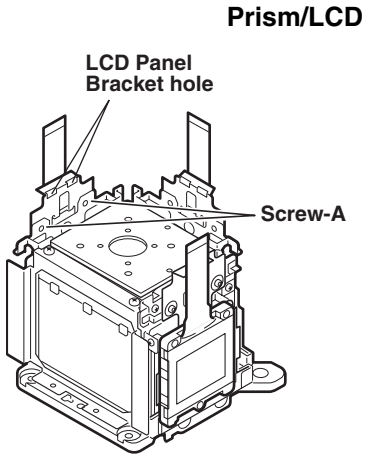


Fig. 60c

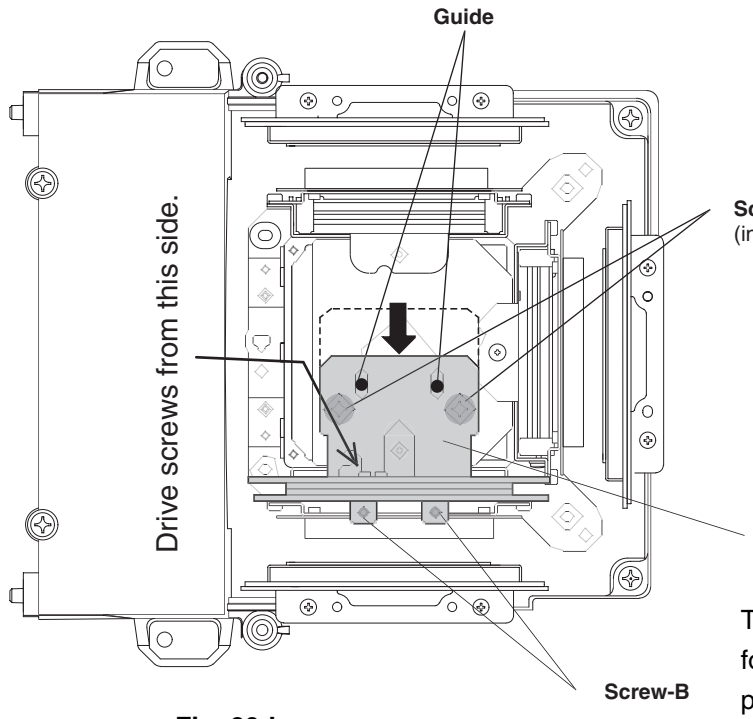


Fig. 60d

The figure is an installation figure for the adjustment of the Blue LCD panel.

TO REMOVE ADJUSTMENT TOOL

After completing the adjustment, remove the Adjustment Tool as follows.

1. Loosen 2screws-B and release LCD Panel Bracket.
   Remove 2screws-C, then remove Adjustment Tool.
2. Slide the Adjustment Tool, and release from the LCD Panel Bracket.
3. Remove the Adjustment Tool upward.
   See Fig.60d,60e

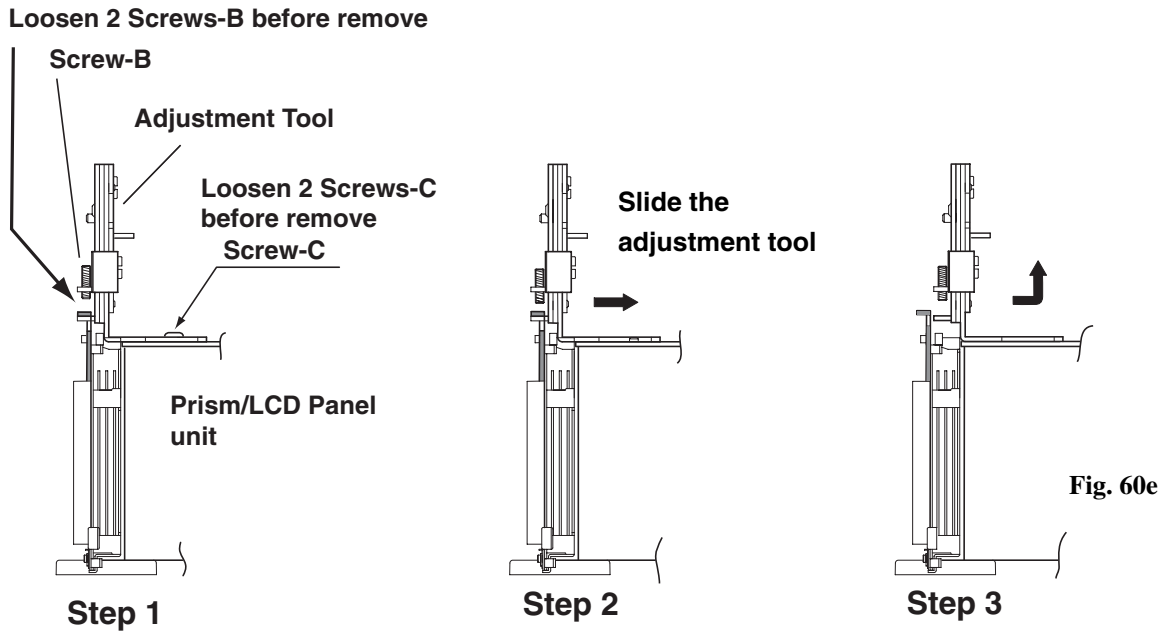


Fig. 60e

■ Convergence adjustment

For convergence adjustment, use Green as the reference standard. Align Red and Blue with Green by adjusting the position and angle of the Red and Blue LCD panel. Screws X, Y and Z (Fig.61) are for convergence adjustment. When adjusting the Green reference LCD panel, both on Red and Blue LCD panel should be adjusted with Green LCD panel.

[Before adjustment]

Make sure each Red,Green and Blue LCD panel unit has been correctly installed,and that all focus adjustments have been completed before preforming convergence adjustments.

Caution

Do not insert the object into the optical block for blocking the light, otherwise, optical parts may be damaged.

Line Movement and Screw Turning

1. Adjustment screw "Z" to turns the line.
2. Adjustment screw "X" to moves the line right and left.
3. Adjustment screw "Y" to moves the line up and down. (Fig.61, 61a, 61b, 61c)

Screw Z

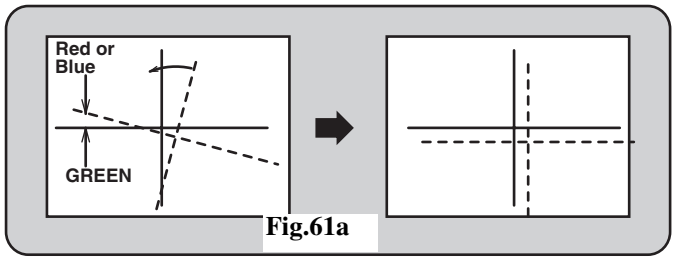


Fig.61a

Screw X

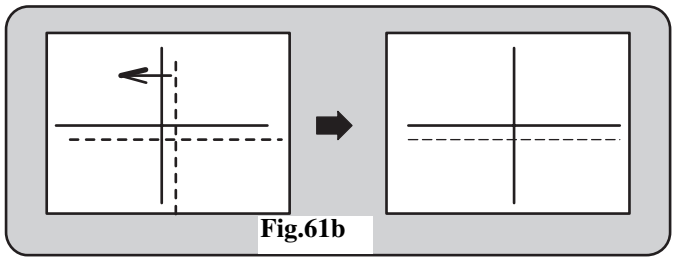


Fig.61b

Screw Y

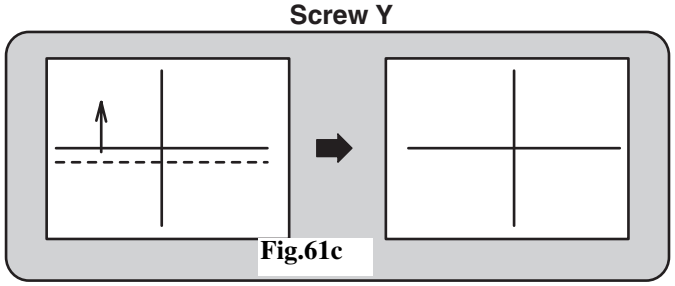


Fig.61c

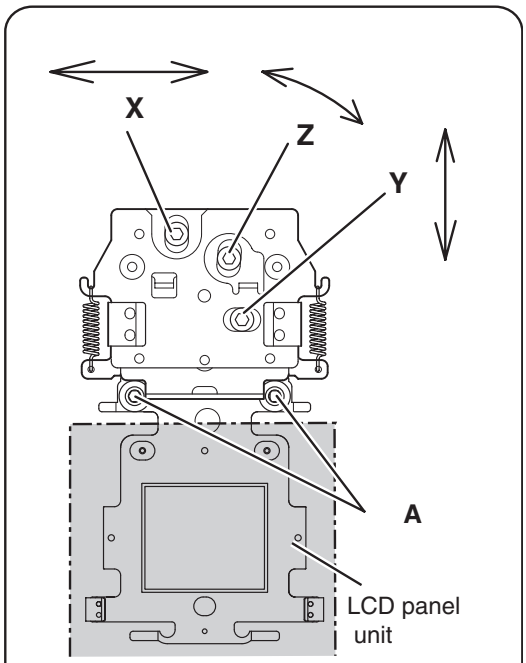


Fig.61 **Prism/LCD panel unit**

Red (or Blue) Panel convergence adjustment

1. Display Red (or Blue) and Green color crosshatch pattern by setting with service mode.
2. Turn the Red lines to be paralleled with Green lines by adjusting screw-Z.
3. Adjust screw-X to converge Red and Green vertical lines.
4. Repeat steps 2 and 3 until Red and Green vertical lines converged properly.
5. Adjust screw-Y and converge Red and Green horizontal lines properly.
6. Repeat step 2,3 and 5 until Red and Green lines converged properly.
7. Tighten screws-A.
8. Remove Adjustment Tool from Prism/LCD panel unit.

Note; If Red and Blue lines do not converge with green lines, loosen screws-A of Green reference panel and adjust Green panel slightly.

Note; When removing an Adjustment Tool after adjustment, loosen screws-B of Adjustment Tool first, otherwise adjustment may be changed.

(8) Prism P.B.S. adjustment

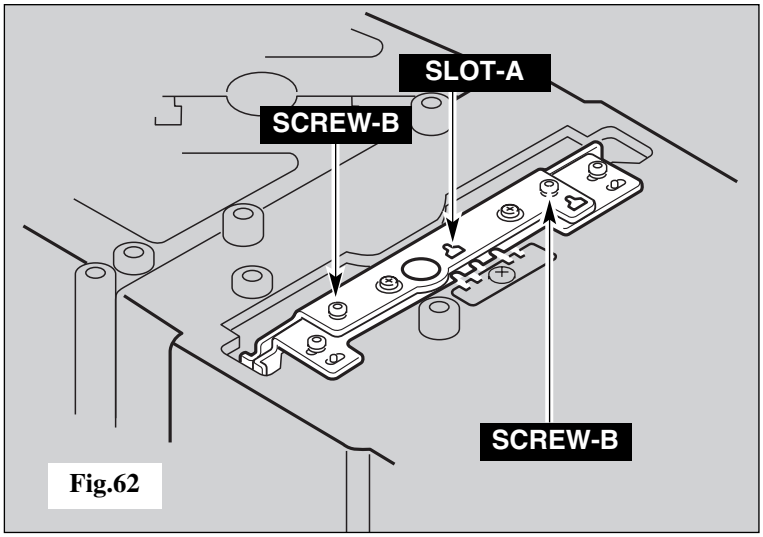


Fig.62

Adjustment :

1. Remove the flexible cables of LCD panels from the Main board. And turn on the projector.
   And input the white raster signal (100% of white raster signal).
2. Loosen 2 screws-B.
3. Insert a slot screwdriver into slot-A, turn it and adjust the center position of screen to maximum brightness.
4. Tighten the 2 screws-B to fix the prism PBS unit.

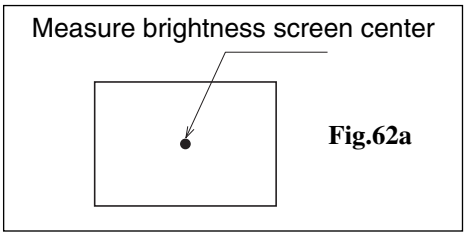


Fig.62a

(9) Contrast adjustment (Polarized glass unit adjustment)

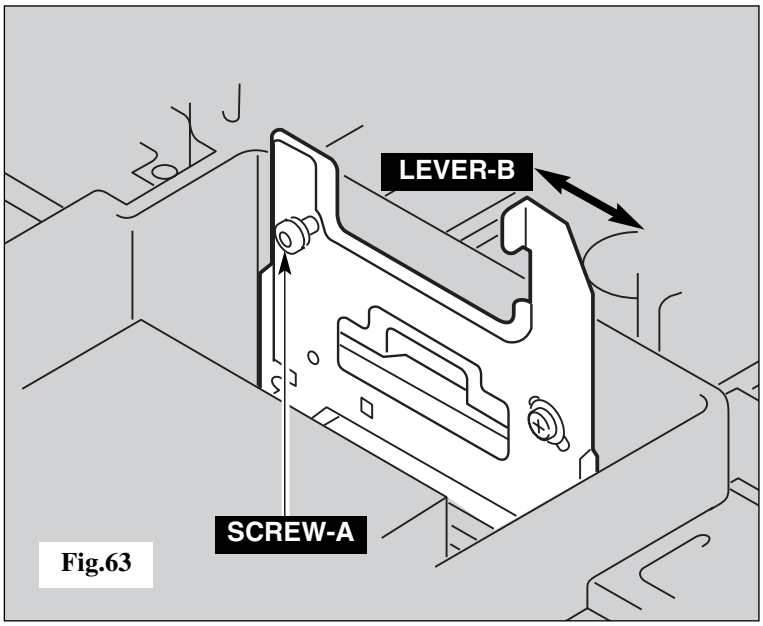


Fig.63

R, G and B polarized glass unit adjustment :

1. Turn on a projector. And input the black raster signal (0% of white raster signal).
2. Loosen screw-A on the polarized glass unit which you intend to adjust using ball allen wrench.
3. Move the lever-B in the direction of an arrow and adjust the brightness on the screen to the lowest level of black.
4. Tighten the screw-A to fix the polarizer unit.
5. Adjust the polarizer of other colors.

■ Electrical Adjustments

● Adjustments after Parts Replacement (Electrical Parts)

● : Adjustment necessary ❍ : Check necessary

	Disassembly / Replaced Parts									
	Unit_ SW Power (25V)	Power Board	Unit_ Sub-Power	Unit_ P.F.C	Unit_ Ballast	Main Board	CG Mother Board	AV Board	Other Boards	
Electrical Adjustments										
Voltage adjustment	●	●								
AV video signal adjustment								●		
AV 3DNR-PLL lock check								❍		
AV color and tint adjustment								●		
Fan driving voltage adjustment	●		●			●				
Video signal center adjustment						●				
PSIG adjustment						●				
Gain adjustment (PC)						●				
Gain adjustment (AV)						●				
Gain adjustment (Component)						●				
Black level adjustment						●				
Common center adjustment						●				
Panel luminance adjustment (PC)						●				
White balance adjustment(PC)						●				
Panel luminance adjustment (AV)						●				
White balance adjustment (AV)						●				
White balance adjustment (AV, 2-lamps)						●				
Color shading correction						❍				

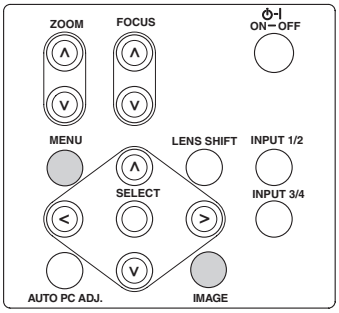
● Service Adjustment Menu Operation

Follow the procedures described below for the adjustments with service mode.

1. Turn the projector Power ON.
2. Enter Service adjustment menu.
   Press and hold the MENU and IMAGE button on the projector simultaneously for more than 3 seconds, or press and hold the MENU button on the remote control unit for more than 20 seconds. The service adjustment menu appears on the screen.
3. Select Adjustment Group No. and Item No. which are to be adjusted.
   Select Adjustment Group No. by pressing "MENU" and "IMAGE" buttons.
   Press point UP (▲) and DOWN (▼) buttons to select Item No.
4. Adjust data value or change setting matter with point LEFT (◀) and RIGHT (▶) buttons.
5. Press POWER "ON-OFF" button once and close the service adjustment menu.

To enter "service mode"

Press "MENU" and "IMAGE" buttons on the projector simultaneously and hold for 3 seconds.



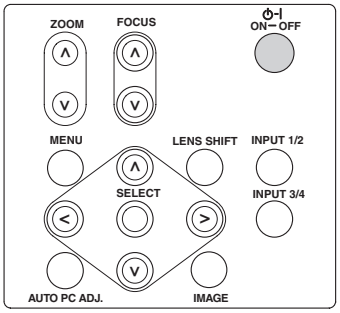
To adjust "service mode"

Adjust service data using the following control buttons on the projector or the remote control unit.

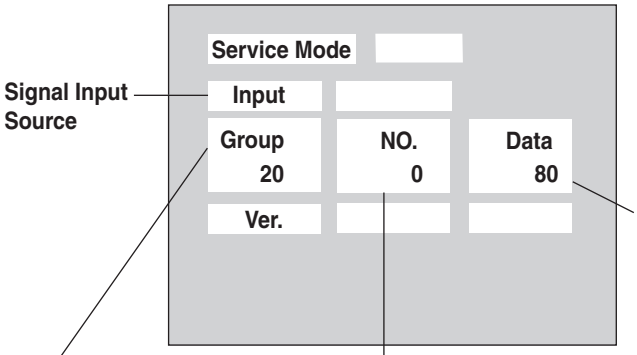
"MENU" . . . . . Group No. increases.
"IMAGE" . . . . . Group No. decreases.
"point UP" . . . . . Item No. increases.
"point DOWN" . . . Item No. decreases.
"point RIGHT" . . . . Data value increases.
"point LEFT" . . . . . Data value decreases.

To exit "service mode"

Press "POWER ON-OFF" button once on the projector or the remote control unit to quit the service mode.

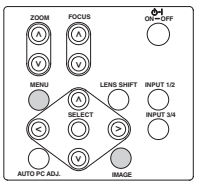


SERVICE ADJUSTMENT MENU

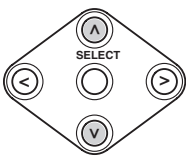


Signal Input Source

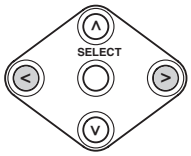
Group No.
Select with MENU and IMAGE buttons.



Item No.
Select with point UP and DOWN buttons.



Data
Adjust with point LEFT and RIGHT buttons.



Remote Control

● Circuit Adjustments

CAUTION: The each circuit has been made by the fine adjustment at factory. Do not attempt to adjust the following adjustments except requiring the readjustments in servicing otherwise it may cause loss of performance and product safety.

WARNING : USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING

CAUTION: To prevent suffer of UV radiation, those adjustments must be completed within 25 minutes.

[Adjustment Condition]

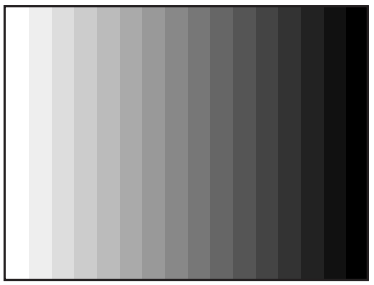
● Input signal

Computer signal ..... 0.7Vp-p/75Ω terminated,
16 steps gray scale pattern (XGA),
100% and 50% white pattern (XGA),
1 dot line pattern (XGA)

Composite video signal..... 1.0Vp-p/75Ω terminated,
16 steps gray scale pattern,
color bar pattern (PAL, NTSC)
100% and 50% white pattern

Component Video signal..... 0.7Vp-p/75Ω terminated,
16 steps gray scale pattern (480i),
color bar pattern (480i)

16 steps gray scale pattern



● Picture control mode ..... “STANDARD” mode unless otherwise noted.

Note :

■ The following adjustment is the adjustment item for Assembly power.

1-1. +6V voltage adjustment

■ The following adjustment is the adjustment item for Switching Regulator.

1-2. +25V voltage adjustment

■ The following adjustmenta are the adjustment items for Terminal board-AV. The adjustment data is stored to Terminal board-AV (IC2143).

2. AV video signal adjustment
3. AV 3DNR-PLL lock check
4. AV color and tint adjustment

■ The following adjustment is the adjustment item for Assembly sub power and Assembly main. The adjustment data is stored to Assembly main (IC1811).

5. Fan driving voltage adjustment

■ The following adjustments are the adjustment items for Assembly main. The adjustment data is stored to Assembly main (IC1811).

6. Video signal center adjustment
7. PSIG adjustment
8. Gain adjustment (PC)
9. Gain adjustment (AV)
10. Gain adjustment (Component)
11. Black level adjustment (PC)
12. Common center adjustment
13. Panel luminance adjustment (PC)
14. White balance adjustment (PC)
15. Panel luminance adjustment (AV)
16. White balance adjustment (AV)
17. White balance adjustment (AV 2Lamps)

■ The following adjustment data is stored to Assembly main (IC871).

18. Color shading correction.

1 Voltage adjustment

Equipment Digital voltmeter

1 - 1 +6V adjustment

1. Adjust the voltage by using **VR652** on the power board as following.

Connection	Adjustment value
(+) **2**pin of **K6D** on the Power Board	6.35 ±0.05Vdc
(–) **Chassis GND**	

1 - 2 +25V adjustment

1. Adjust the voltage by using **the VR in the switching regulator A902** as following.

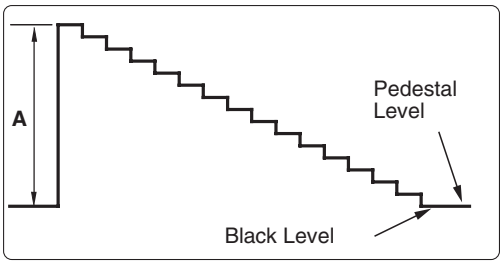
Connection	Adjustment value
(+) **TP7614** on the Unit Sub Power	25.0 ±0.1Vdc
(–) **Chassis GND**	

2 AV video signal adjustment

Equipment	Oscilloscope
Input mode	**Video** mode
Input signal	16-step gray scale signal
Picture mode	Normal

1. Enter the service mode.
2. Connect an oscilloscope to each test points.
3. Change data values for each test points to;
   (a) adjust the amplitude **A** to below value.
   (b) adjust the pedestal level and black level to be the same level.

Group	No.	Connection	Step	Adjustment value
1010 -	**0**	**TP211 (G)**	(a)	**0.7** ±0.05V
1010 -	**1**	**TP211 (G)**	(b)	make the same level
1010 -	**2**	**TP201 (R)**	(a)	**0.7** ±0.05V
1010 -	**3**	**TP201 (R)**	(b)	make the same level
1010 -	**4**	**TP221 (B)**	(a)	**0.7** ±0.05V
1010 -	**5**	**TP221 (B)**	(b)	make the same level



3 AV 3DNR-PLL lock check

Equipment	Digital voltmeter
Input mode	**Video** mode
Input signal	Color bar signal (PAL)
Picture mode	Normal

1. Check the voltage. If it is not, check the peripheral circuit of 3DNR and repair it.

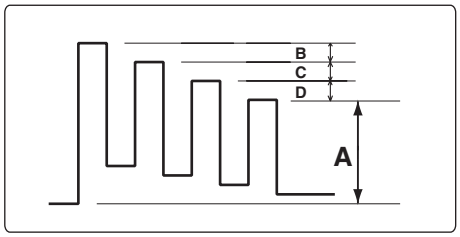
Connection	Value
(+) **TP5103**	2.9 ±0.5Vdc
(–) **Chassis GND**	

4 AV color and tint adjustment

Equipment	Oscilloscope
Input mode	**Video** mode
Input signal	Color bar signal (NTSC)
Picture mode	Normal

1. Enter the service mode.
2. Connect an oscilloscope to TP221.
3. Change data value to;
   (color) adjust the amplitude **A** to below value.
   (tint) adjust the amplitude **B**, **C** and **D** to the same width.

Group	No.	Connection	Step	Adjustment value
1000 -	**25**	**TP221 (B)**	(color)	**0.45** ±0.02V
1000 -	**24**	**TP221 (B)**	(tint)	make the same level



5 Fan driving voltage adjustment

Equipment Digital voltmeter

1. Enter the service mode.
2. Change data values of each test points to adjust the fan driving voltage.

Group	No.	Fan	Connection	Adjustment value
140 -	**0**	Fan-A	TP7611	**16.0** ±0.1Vdc
140 -	**1**	Fan-A	TP7611 (Sub Power)	**24.0** ±0.1Vdc
140 -	**2**	Fan-C	TP2661	**7.5** ±0.1Vdc
140 -	**3**	Fan-C	TP2661 (PBS FANNET)	**13.8** $^{+0Vdc}_{-0.1Vdc}$
140 -	**4**	Fan-B	TP2671	**8.0** ±0.1Vdc
140 -	**5**	Fan-B	TP2671 (EXH FANNET)	**13.2** ±0.1Vdc
140 -	**6**	Fan-D1	TPFN1	**9.0** ±0.1Vdc
140 -	**7**	Fan-D1	TPFN1	**13.5** ±0.1Vdc
140 -	**8**	Fan-D2	TPFN2	**8.0** ±0.1Vdc
140 -	**9**	Fan-D2	TPFN2	**13.0** ±0.1Vdc
140 -	**10**	Fan-D3	TPFN3	**9.0** ±0.1Vdc
140 -	**11**	Fan-D3	TPFN3	**13.5** ±0.1Vdc
140 -	**12**	Fan-D4	TPFN4	**8.0** ±0.1Vdc
140 -	**13**	Fan-D4	TPFN4 (MAIN)	**13.0** ±0.1Vdc

Note:
The location of each fan is refer to the parts list.

6 Video signal center adjustment

Equipment Digital voltmeter
Input mode **Computer** mode
Input signal 16-step gray scale computer signal

1. Enter the service mode.
2. Change data values for each test points to adjust the video signal reference voltage.

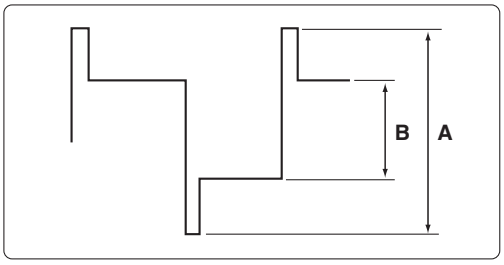
Group	No.	Connection	Adjustment value
200 -	**0**	**TP531 (G)**	**7.5** ±0.1Vdc
200 -	**1**	**TP501 (R)**	**7.5** ±0.1Vdc
200 -	**2**	**TP561 (B)**	**7.5** ±0.1Vdc

7 PSIG adjustment

Equipment Oscilloscope
Input mode **Computer** mode
Input signal 16-step gray scale computer signal

1. Enter the service mode.
2. Change data values for each test points to adjust the PSIG signal amplitude.

Group	No.	Connection	Adjustment value
200 -	**3**	**TP533 (G)**	**A** = **10.6** ±0.1V
200 -	**4**	**TP533 (G)**	**B** = **5.0** ±0.1V
200 -	**5**	**TP503 (R)**	**A** = **10.6** ±0.1V
200 -	**6**	**TP503 (R)**	**B** = **5.0** ±0.1V
200 -	**7**	**TP563 (B)**	**A** = **10.6** ±0.1V
200 -	**8**	**TP563 (B)**	**B** = **5.0** ±0.1V

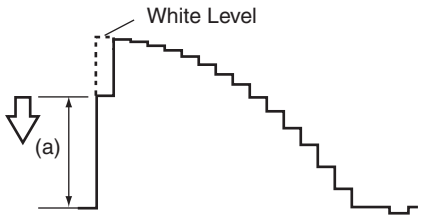


8 Gain adjustment (PC)

Equipment Oscilloscope
Input mode **Computer** mode
Input signal 16-step gray scale signal

1. Enter the service mode.
2. Change data values for the test points to adjust the waveform "**a**" to be minimum amplitude.

Group	No.	Connection
200 -	**9**	**TP531 (G)**
200 -	**10**	**TP501 (R)**
200 -	**11**	**TP561 (B)**

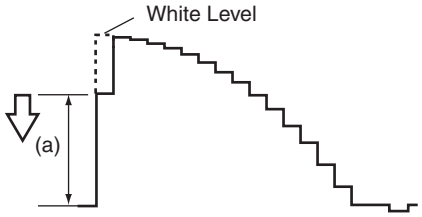


9 Gain adjustment (AV)

Equipment Oscilloscope
Input mode **Video** mode
Input signal 16-step gray scale signal

1. Enter the service mode.
2. Change data values for the test points to adjust the waveform "**a**" to be minimum amplitude.

Group	No.	Connection
210 -	**9**	**TP531 (G)**
210 -	**10**	**TP501 (R)**
210 -	**11**	**TP561 (B)**

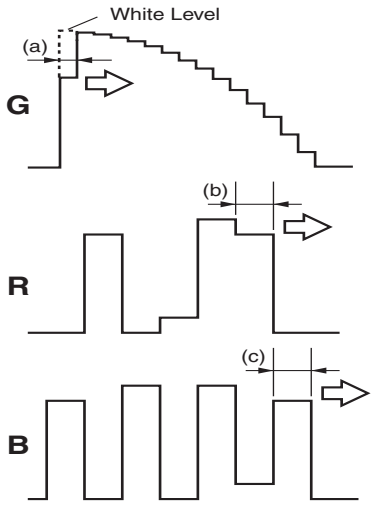


10 Gain adjustment (Component)

Equipment Oscilloscope
Input mode **Component** mode
Input signal 16-step gray scale, color bar signal

1. Enter the service mode.
2. Receive 16-step gray scale signal.
3. Change data value for the test point to adjust the waveform "**a**" to be maximum amplitude.
4. Receive color bar signal.
5. Change data values for the test points to adjust the waveform "**b**" and "**c**" to be maximum amplitude.

Group	No.	Connection	Adjustment points
210 -	**9**	**TP531 (G)**	waveform **(a)** to maximum
210 -	**10**	**TP501 (R)**	waveform **(b)** to maximum
210 -	**11**	**TP561 (B)**	waveform **(C)** to maximum

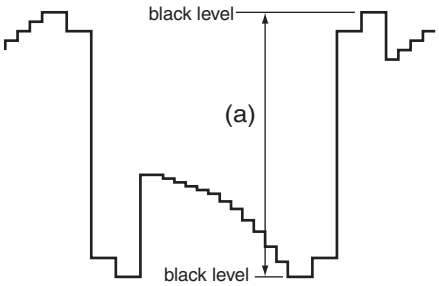


11 Black level adjustment (PC)

Equipment Oscilloscope
Input mode **Computer** mode
Input signal 16-step gray scale signal

1. Enter the service mode.
2. Change data values for each test point to adjust the waveform "**a**" to be below value.

Group	No.	Connection	Adjustment value
200 -	**12**	**TP531 (G)**	**10.0** ±0.05V
200 -	**13**	**TP501 (R)**	**10.0** ±0.05V
200 -	**14**	**TP561 (B)**	**10.0** ±0.05V



12 Common center adjustment

Input mode **Computer** mode
Input signal 1 line dot computer signal

1. Enter the service mode.
2. Project only one color component to the screen.
3. Change data value to obtain **the minimum flicker** for each color on the screen.

Group	No.	Screen
200 -	**15**	Only **green** color picture
200 -	**16**	Only **red** color picture
200 -	**17**	Only **blue** color picture

13 Panel luminance adjustment (PC)

Equipment Luminance meter
Lamp mode 4 Lamp mode
Input mode **Computer** mode
Input signal 100% and 50% white computer signal

1. Receive the 100% whole-white signal.
2. Enter the service mode.
3. Select group/item no. "**200 - 18**" and measure the luminance on the screen with the luminance meter. It is **A** for the reading of luminance meter.
4. Change the signal source to the 50% whole-white signal.
5. Change data value to make the reading of luminance meter to be **A x 22** ± 2**%**.

Group	No.	Screen	Ajustment value
		100% white	**A** (reading value)
200 -	**18**	50% white	**A x 22** ± 2**%**

14 White Balance adjustment (PC)

Lamp mode 4 Lamp mode
Input mode **Computer** mode
Input signal 50% white computer signal

1. Receive the 50% whole-white signal.
2. Enter the service mode.
3. Select group no. "**200**", item no. "**19**" or "**20**", and change data values respectively to make a proper white balance.

15 Panel luminance adjustment (AV)

Equipment Luminance meter
Lamp mode 4 Lamp mode
Input mode **Video** mode
Input signal 100% and 50% white composite signal

1. Receive the 100% whole-white signal.
2. Enter the service mode.
3. Select group/item no. "**210 - 18**" and measure the luminance on the screen with the luminance meter. It is **A** for the reading of luminance meter.
4. Change the signal source to the 50% whole-white signal.
5. Change data value to make the reading of luminance meter to be **A x 22** ± 2**%**.

Group	No.	Screen	Ajustment value
		100% white	**A** (reading value)
210 -	**18**	50% white	**A x 22** ± 2**%**

16 White Balance adjustment (AV)

Lamp mode 4 Lamp mode
Input mode **Video** mode
Input signal 50% white composite signal

1. Receive the 50% whole-white signal.
2. Enter the service mode.
3. Select group no. "**210**", item no. "**19**" or "**20**", and change data values respectively to make a proper white balance.

17 White Balance adjustment (AV, 2 Lamps)

Input mode **Video** mode
Input signal 50% white composite signal

1. Receive the 50% whole-white signal.
2. Enter the service mode.
3. Select group/item no. "**930 - 1**"(see **note**) and change the lamp mode to **Lamp 1-4 mode** (2 Lamp mode).
4. Select group no. "**211**", item no. "**19**" or "**20**", and change data values respectively to make a proper white balance.
5. Select group/item no. "**930 - 2**"(see **note**) and change the lamp mode to **Lamp 2-3 mode** (2 Lamp mode).
6. Select group no. "**212**", item no. "**19**" or "**20**", and change data values respectively to make a proper white balance.

Note :
- **If the data value appears "11" on the screen, go to next item.**
- **If the data value appears "0" on the screen, set the data value to "10" and go to next item.**
- **If the data value appears "99" on the screen, wait until it is changed to "0". Then set the data value to "10" and go to next item.**

Note: If you want to change the lamp mode to 4-Lamp mode, select group/item no. "**930 - 0**"(see **note**).

Note on WHITE UNIFORMITY Adjustment

If you find the color shading on the screen, please adjust the white uniformity by using the proper computer and "Color Shading Correction" software supplied separately. The software can be ordered as follows;

COLOR SHADING CORRECTION ver.. 4.00
Service Parts No. 645 075 9611

● Service Mode Adjustment Menu

Group-no.	Adjustment Item	Adjustment Mode			
		Not designated	PC	AV	COMPONENT
140 - 0	Fans-A driving voltage adjustment	●			
140 - 1	Fans-A driving voltage adjustment	●			
140 - 2	Fans-C driving voltage adjustment	●			
140 - 3	Fans-C driving voltage adjustment	●			
140 - 4	Fans-B driving voltage adjustment	●			
140 - 5	Fans-B driving voltage adjustment	●			
140 - 6	Fans-D1 driving voltage adjustment	●			
140 - 7	Fans-D1 driving voltage adjustment	●			
140 - 8	Fans-D2 driving voltage adjustment	●			
140 - 9	Fans-D2 driving voltage adjustment	●			
140 - 10	Fans-D3 driving voltage adjustment	●			
140 - 11	Fans-D3 driving voltage adjustment	●			
140 - 12	Fans-D4 driving voltage adjustment	●			
140 - 13	Fans-D4 driving voltage adjustment	●			
141 - 0	Fans driving voltage adjustment (max/auto/min)	●			
200 - 0	Video signal center adjustment--Green		●		
200 - 1	Video signal center adjustment--Red		●		
200 - 2	Video signal center adjustment--Blue		●		
200 - 9	Green gain adjustment (PC)		●		
200 - 10	Red gain adjustment (PC)		●		
200 - 11	Blue gain adjustment (PC)		●		
200 - 15	Common center adjustment--Green		●		
200 - 16	Common center adjustment--Red		●		
200 - 17	Common center adjustment--Blue		●		
200 - 18	Panel luminance adjustment (PC)		●		
210 - 9	Green gain adjustment (AV, Component)			●	●
210 - 10	Red gain adjustment (AV, Component)			●	●
210 - 11	Blue gain adjustment (AV, Component)			●	●
210 - 18	Panel luminance adjustment (AV)			●	
200 - 19 & 20	PC White balance adjustment. 4 lamp mode		●		
210 - 19 & 20	AV White balance adjustment. 4 lamp mode			●	
211 - 19 & 20	AV White balance adjustment. Lamp 1-4 of 2 lamp mode			●	
212 - 19 & 20	AV White balance adjustment. Lamp 2-3 of 2 lamp mode			●	
1000 - 24	AV tint adjustment			●	
1000 - 25	AV color adjustment			●	

Group-no.	Adjustment Item	Adjustment Mode			
		Not designated	PC	AV	COMPONENT
1010 - 0	AV video signal adjustment (Green)			●	
1010 - 1	AV video signal adjustment (Green)			●	
1010 - 2	AV video signal adjustment (Red)			●	
1010 - 3	AV video signal adjustment (Red)			●	
1010 - 4	AV video signal adjustment (Blue)			●	
1010 - 5	AV video signal adjustment (Blue)			●	
0 - 0	Temperature monitor IC5801 Read only	●			
0 - 1	Temperature monitor IC2541 Read only	●			
1 - 0	Atmospheric Pressure monitor IC886 Read only	●			
10 - 0	RS232C Baud rate (0:9600 / 1:19200)	●			
10 - 1	RS232C RTS/CTS Flow Control (0:Disable / 1:Enable)	●			
111 - 0	Lamp-1 Lamp lighting time Read only	●			
111 - 1	Lamp-2 Lamp lighting time Read only	●			
111 - 2	Lamp-3 Lamp lighting time Read only	●			
111 - 3	Lamp-4 Lamp lighting time Read only	●			
930 - 0	Lamp mode 4 Lamp Mode (See Note.)	●			
930 - 1	Lamp mode Lamp 1-4 of 2 Lamp Mode (See Note.)	●			
930 - 2	Lamp mode Lamp 2-3 of 2 Lamp Mode (See Note.)	●			
972 - 1	R_PANEL Ghost timer reset	●			
972 - 3	G_PANEL Ghost timer reset	●			
972 - 5	B_PANEL Ghost timer reset	●			
998 - 0	Grid Test Pattern Display		●		

Note : Group No. 930

- If the data value appears "11" on the screen, the lamp mode is selected.
- If the data value appears "0" on the screen, the lamp mode is not selected. Set the data value to "10."
- If the data value appears "99" on the screen, it is period for cooling of the lamp. Wait until it is changed to "0." Then set the data value to "10."

Note **: Fans control Group No. 140**

Group Fans A: FN903, 904, 905, 916

Group Fans B: FN909, 910, 911, 912

Group Fans C: FN901, 906, 907,908 913, 914, 915

Group Fans D: FN917, 918, 919, 920

Caution :

Other adjustment items are not related to service and a maintenance. Don't change the data values of those adjustment items. Otherwise it may cause loss of product safety.

■ Test Points Location

Please refer to "Printed Wiring Board Drawings." for the locations of test point.

● Service Adjustment Data Table

CAUTION : These initial values are the reference data written from the CPU ROM to the memory IC when the new memory IC replaced. The adjustment items indicated with "✻" are required to readjust following to the "Electrical adjustments". Other items should be used with the initial data value.

Group No.	Item No.	Item	Function	Data Range	Initial Value	
S 0	–	Temperature Monitor Indication				
	– 0	LM76 (Temp) Monitor	Temp. Sensor (Intake)	–	–	–
	– 1	LM76 (Temp) Monitor	Temp. Sensor (Inner)	–	–	–
	– 2	Thermistor Monitor	Temp. Thermistor (Inner)	–	–	–
	– 3	Thermistor Monitor	DAC value	–	–	–
S 1	–	Pressure Monitor Indication				
	– 0	MPXA4114A(Pressure) Monitor	Pressure Sensor	–	–	–
S 10	–	RS232C Set				
	– 0	Baud rate	RS232C Baud rate (0 : 9600 / 1 : 19200)	0 / 1	1	–
	– 1	RTS/CTS Flow Control	RS232C RTS/CTS Flow Control (0 : Disable / 1: Enable)	0 / 1	0	–
	– 2	CTS Timeout Second	RS232C CTS Timeout	0 ~ 255	0	–
	– 3	Serial Address	Individual address in RS–232C chain connection	0 ~ 999	1	–
S 20	–	Logo On/Off				
	– 0	Logo On/Off	(0 : Menu Operation / 1 : Prohibition)	0 / 1	0	–
S 30	–	Color Shading Correction				
	– 0	Correction On/Off	(0 : Off / 1 : On)	0 / 1	1	–
S 40	–	Dimmer Control				
	– 0	Dimmer On/Off	(0 : Menu Operation / 1 : Off)	0 / 1	1	–
	– 1	Dimmer Level	(0 : 200W ~ 15 : 250W)	0 ~ 15	15	–
S 80	–	Projector Time				
	– 0	Projector Time			0	–
S 113	–	Reset Frequency Counter				
	– 0	Lamp 1	Lamp 1 Total Lighting Time	0 ~ 127	0	–
	– 1	Lamp 2	Lamp 2 Total Lighting Time	0 ~ 127	0	–
	– 2	Lamp 3	Lamp 3 Total Lighting Time	0 ~ 127	0	–
	– 3	Lamp 4	Lamp 4 Total Lighting Time	0 ~ 127	0	–
S 115	–	Lamp Go Out				
	– 0	Lamp Go Out	0 : Disable / 1 : Enable	0 / 1	0	–
S 120	–	RC KEY Disable				
	– 0	RC Zoom & Focus Only	0 : Enable / 1 : Disable	0 / 1	0	–
	– 1	RC / KEY All	0 : Enable / 1 : RC Disable / 2 : KEY Disable	0 ~ 2	0	–
	– 2	Process after Power Fail	0 : Not Recover by KEY / 1 : Recover by KEY	0 / 1	0	–
S 121	–	RC Select				
	– 0	RC Direct Select	0 : Rear & Front / 1 : Front / 2 : Rear / 3 : Disable	0 ~ 3	0	
S 140	–	Fan Output Level				
	– 0	Fan A Min	(✻) Fan A Driving Voltage Adj. at TP7611	0 ~ 255	210	–
	– 1	Fan A Max	(✻) Fan A Driving Voltage Adj. at TP7611	0 ~ 255	10	–
	– 2	Fan C Min	(✻) Fan C Driving Voltage Adj. at TP2661	0 ~ 255	210	–
	– 3	Fan C Max	(✻) Fan C Driving Voltage Adj. at TP2661	0 ~ 255	20	–
	– 4	Fan B Min	(✻) Fan B Driving Voltage Adj. at TP2671	0 ~ 255	200	–
	– 5	Fan B Max	(✻) Fan B Driving Voltage Adj. at TP2671	0 ~ 255	25	–
	– 6	Fan D1 Min	(✻) Fan D1 Driving Voltage Adj. at TPFN1	0 ~ 255	110	–
	– 7	Fan D1 Max	(✻) Fan D1 Driving Voltage Adj. at TPFN1	0 ~ 255	30	–
	– 8	Fan D2 Min	(✻) Fan D2 Driving Voltage Adj. at TPFN2	0 ~ 255	130	–
	– 9	Fan D2 Max	(✻) Fan D2 Driving Voltage Adj. at TPFN2	0 ~ 255	40	–
	– 10	Fan D3 Min	(✻) Fan D3 Driving Voltage Adj. at TPFN3	0 ~ 255	110	–
	– 11	Fan D3 Max	(✻) Fan D3 Driving Voltage Adj. at TPFN3	0 ~ 255	30	–
	– 12	Fan D4 Min	(✻) Fan D4 Driving Voltage Adj. at TPFN4	0 ~ 255	130	–
	– 13	Fan D4 Max	(✻) Fan D4 Driving Voltage Adj. at TPFN4	0 ~ 255	40	–
S 141	–	Fan Output Level				
	– 0	Fan Output Level	0 : Max / 1 : Factory / 2 : Auto / 3 : Min	0 ~ 3	2	–
S 150	–	Factory Set (Reset)				
	– 0	Factory Set **Do not touched.**	Available at No.10 **caution : Important! Do not attempt.**	0 ~ 10	0	–
S 160	–	Shootout				
	– 0	Switch	0 : Enable / 1 : Disable	0 / 1	0	–
S 180	–	DDC Setting				
	– 0	HDCP EDID Data Setting	0 : EDID Data for DVI / 1 : EDID Data for HDCP	0 / 1	1	–
S 200	–	CG Full Lamp	(Factory Use – PC Mode)			
	– 0	G-SIG Center	(✻) DAC Video Center G	0 ~ 255	32	–
	– 1	R-SIG Center	(✻) DAC Video Center R	0 ~ 255	32	–
	– 2	B-SIG Center	(✻) DAC Video Center B	0 ~ 255	32	–
	– 3	SDIA G	DAC PSIGA	0 ~ 255	15	–
	– 4	SDIB G	DAC PSIGB	0 ~ 127	214	–
	– 5	SDIA R	DAC PSIGA	0 ~ 127	15	–

Group No.	Item No.	Item	Function	Data Range	Initial Value	
	– 6	SDIB R	DAC PSIGB	0 ~ 225	214	–
	– 7	SDIA B	DAC PSIGA	0 ~ 225	15	–
	– 8	SDIB B	DAC PSIGB	0 ~ 225	214	–
	– 9	ADC G-GAIN	(✻) G Gain Adjustment	0 ~ 225	128	–
	– 10	ADC R-GAIN	(✻) R Gain Adjustment	0 ~ 255	128	–
	– 11	ADC B-GAIN	(✻) B Gain Adjustment	0 ~ 255	128	–
	– 12	GAIN CONTROL G	(✻) G Black Level Adjustment	0 ~ 255	189	–
	– 13	GAIN CONTROL R	(✻) R Black Level Adjustment	0 ~ 255	189	–
	– 14	GAIN CONTROL B	(✻) B Black Level Adjustment	0 ~ 255	189	–
	– 15	VCOM–G	(✻) DAC G Common Center Adj. (for Flicker Reduction)	0 ~ 255	104	–
	– 16	VCOM–R	(✻) DAC R Common Center Adj. (for Flicker Reduction)	0 ~ 255	104	–
	– 17	VCOM–B	(✻) DAC B Common Center Adj. (for Flicker Reduction)	0 ~ 255	104	–
	– 18	G GAMMA BRIGHT	(✻) PC Panel Luminance Adjustment	0 ~ 8191	4096	–
	– 19	R GAMMA BRIGHT	(✻) PC R White Balance Adjustment	0 ~ 8191	4096	–
	– 20	B GAMMA BRIGHT	(✻) PC B White Balance Adjustment	0 ~ 8191	4096	–
S 201	–	CG 3L Lamp 1/4 or 1 Mode	(Factory Use – PC Mode)			
	– 0~18	Unused		–	*999	–
	– 19	R White Balance	PC R White Balance Adjustment	0 ~ 8191	4096	–
	– 20	B White Balance	PC B White Balance Adjustment	0 ~ 8191	4096	–
S 202	–	CG 3L Lamp 2/3 or 2 Mode	(Factory Use – PC Mode)			
	– 0~18	Unused		–	*999	–
	– 19	R White Balance	PC R White Balance Adjustment	0 ~ 8191	4096	–
	– 20	B White Balance	PC B White Balance Adjustment	0 ~ 8191	4096	–
S 210	–	AV Full Lamp	(Factory Use – AV Mode)			
	– 0~8	Unused		–	*999	–
	– 9	ADC G-GAIN	(✻) G Gain Adjustment (AV/Component)	0 ~ 255	128/128	–
	– 10	ADC R-GAIN	(✻) R Gain Adjustment (AV/Component)	0 ~ 255	128/128	–
	– 11	ADC B-GAIN	(✻) B Gain Adjustment (AV/Component)	0 ~ 255	128/128	–
	– 12~17	Unused		–	*999	–
	– 18	G GAMMA BRIGHT	(✻) AV Panel Luminance Adjustment	0 ~ 8191	4096	–
	– 19	R GAMMA BRIGHT	(✻) AV R White Balance Adjustment	0 ~ 8191	4096	–
	– 20	B GAMMA BRIGHT	(✻) AV B White Balance Adjustment	0 ~ 8191	4096	–
S 211	–	AV 3L Lamp 1/4 or 1 Mode	Factory Use – AV 3L Lamp 1/4 or 1 Mode			
	– 0~18	Unused		–	*999	–
	– 19	R White Balance	(✻) AV R White Balance Adjustment	0 ~ 8191	4096	–
	– 20	B White Balance	(✻) AV B White Balance Adjustment	0 ~ 8191	4096	–
S 212	–	AV 3L Lamp 2/3 or 1 Mode	Factory Use – AV 3L Lamp 2/3 or 2 Mode			
	– 0~18	Unused		–	*999	–
	– 19	R White Balance	(✻) AV R White Balance Adjustment	0 ~ 8191	4096	–
	– 20	B White Balance	(✻) AV B White Balance Adjustment	0 ~ 8191	4096	–
S 290	–	PANEL L/R				
	– 0	PANEL L/R	Read only (0 : Type-L / 20 : Type-R)	0 / 20	0	
	– 1	Panel L/R Change	Select panel L/R (0 : Type-L / 20 : Type-R)	0 ~ 20	10	
S 300	–	Compo Card Mode Select				
	– 0	IO Expander D3 Output	0 : Low / 1 : High Output	0 ~ 1	0	–
	– 1	TA1318N CSYNC	0 : Sync1 / 1 : Sync2 Select	0 ~ 1	0	–
S 310	–	SWFPGA CLAMP OFFSET	OFFSET (Offset center : 128)			
	– 0	480i / NTSC		0 ~ 255	128	–
	– 1	575i / PAL		0 ~ 255	128	–
	– 2	1080i 60Hz		0 ~ 255	128	–
	– 3	1080i 50Hz		0 ~ 255	128	–
	– 4	1035i		0 ~ 255	128	–
	– 5	720p		0 ~ 255	128	–
	– 6	575p		0 ~ 255	128	–
	– 7	480p		0 ~ 255	128	–
S 320	–	FINEFPGA GAIN				
	– 0	RGB Gain Center	Analog PC/Analog AV/Digital	0 ~ 511	256/256/256	–
	– 1	User Control Test		0 ~ 511	–	
S 321	–	FINEFPGA R OFFSET				
	– 0	R ON LIMIT LEVEL		0 ~ 255	170	–
	– 1	R ON RATE		0 ~ 255	60	–
	– 2	R ADD G-R ON	0 : Off / 1 : On (Read only)	0 / 1	–	–
S 500	–	ADC				
	– 0	ADC R–OFFSET		0 ~ 255	64	–
	1	ADC G–OFFSET		0 ~ 255	64	–
	2	ADC B–OFFSET		0 ~ 255	64	–
	3	ADC R–GAIN		0 ~ 255	128	–
	4	ADC G–GAIN		0 ~ 255	128	–
	5	ADC B–GAIN		0 ~ 255	128	–
	6	ADC Band Width PC		0 ~ 3	3	–
	7	ADC Band Width AV		0 ~ 3	3	–
S 501	–	VSBEG				

Group No.	Item No.	Item	Function	Data Range	Initial Value	
	– 0	VSBEG RGB		0 ~ 15	1	–
	1	VSBEG Component		0 ~ 15	1	–
	2	VSBEG Video		0 ~ 15	1	–
	3	VSBEG Else	Unused	0 ~ 15	1	–
S 502	–	CUSTOM				
	– 0	Aspect V Scaler		0 ~ 255	64	–
	– 1	Aspect V Position		0 ~ 255	64	–
	– 2	OSD V Position		0 ~ 255	0	–
	– 3	OSD H Position		0 ~ 255	0	–
	– 4	V Scaler		0 ~ 300	50	–
	– 5	V Position		0 ~ 5000	2500	–
	– 6	H Scaler		0 ~ 300	50	–
	– 7	H Position		0 ~ 5000	2500	–
	– 8	Aspect Interlock	0: HV not link to Scaler, 1: HV link to H-Scaler	0 / 1	0	–
S 503	–	OEM SPECIAL				
	– 0	OEM Special Mode	0: Normal, 1: T-special, 2: Full	0 ~ 2	0	–
	– 1	SXGA V Position		0 ~ 2000	0	–
	– 2	SXGA H Position		0 ~ 2000	0	–
	– 3	XGA V Position		0 ~ 2000	0	–
	– 4	XGA H Position		0 ~ 2000	0	–
S 510	–	NTSC				
	– 0	Total Dots		0 ~ 3000	1292	–
	– 1	Disp Dots		0 ~ 3000	1024	–
	– 2	H Back Porch (Compo/Video/PC)		0 ~ 4095	197/214/193	–
	– 3	V Back Porch (Compo/Video/PC)		0 ~ 2047	16/23/17	–
	– 4	Disp Line		0 ~ 1500	468	–
	– 5	Clamp		0 ~ 3000	26	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 511	–	PAL				
	– 0	Total Dots		0 ~ 3000	1322	–
	– 1	Disp Dots		0 ~ 3000	1024	–
	– 2	H Back Porch (Compo/Video/PC)		0 ~ 4095	224/241/220	–
	– 3	V Back Porch (Compo/Video/PC)		0 ~ 2047	30/37/32	–
	– 4	Disp Line		0 ~ 1500	552	–
	– 5	Clamp		0 ~ 3000	38	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 512	–	HDTV 1080i 60Hz				
	– 0	Total Dots		0 ~ 3000	1176	–
	– 1	Disp Dots		0 ~ 3000	1024	–
	– 2	H Back Porch (Compo/PC)		0 ~ 4095	41/48	–
	– 3	V Back Porch (Compo/PC)		0 ~ 2047	11/11	–
	– 4	Disp Line		0 ~ 1500	1080	–
	– 5	Clamp		0 ~ 3000	12	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 513	–	HDTV 1080i 50Hz				
	– 0	Total Dots		0 ~ 3000	1414	–
	– 1	Disp Dots		0 ~ 3000	1024	–
	– 2	H Back Porch (Compo/PC)		0 ~ 4095	48/54	–
	– 3	V Back Porch (Compo/PC)		0 ~ 2047	11/11	–
	– 4	Disp Line		0 ~ 1500	1080	–
	– 5	Clamp		0 ~ 3000	12	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 514	–	HDTV 1035i				
	– 0	Total Dots		0 ~ 3000	1216	–
	– 1	Disp Dots		0 ~ 3000	1024	–
	– 2	H Back Porch (Compo/PC)		0 ~ 4095	58/65	–
	– 3	V Back Porch (Compo/PC)		0 ~ 2047	63/63	–
	– 4	Disp Line		0 ~ 1500	1010	–
	– 5	Clamp		0 ~ 3000	12	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 515	–	HDTV 720p				
	– 0	Total Dots		0 ~ 3000	1252	–
	– 1	Disp Dots		0 ~ 3000	966	–
	– 2	H Back Porch (Compo/PC)		0 ~ 4095	75/84	–
	– 3	V Back Porch (Compo/PC)		0 ~ 2047	0/0	–
	– 4	Disp Line		0 ~ 1500	720	–
	– 5	Clamp		0 ~ 3000	28	–

Group No.	Item No.	Item	Function	Data Range	Initial Value	
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 516	–	HDTV 575p				
	– 0	Total Dots		0 ~ 3000	1152	–
	– 1	Disp Dots		0 ~ 3000	924	–
	– 2	H Back Porch (Compo/PC)		0 ~ 4095	39/44	–
	– 3	V Back Porch (Compo/PC)		0 ~ 2047	45/46	–
	– 4	Disp Line		0 ~ 1500	550	–
	– 5	Clamp		0 ~ 3000	12	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 517	–	HDTV 480p				
	– 0	Total Dots		0 ~ 3000	1175	–
	– 1	Disp Dots		0 ~ 3000	966	–
	– 2	H Back Porch (Compo/PC)		0 ~ 4095	48/57	–
	– 3	V Back Porch (Compo/PC)		0 ~ 2047	37/37	–
	– 4	Disp Line		0 ~ 1500	476	–
	– 5	Clamp		0 ~ 3000	8	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 520	–	Faroudja Video Source 575i	(Activate with Optional Terminal Board)			
	– 0	Total Dots		0 ~ 3000	1126	–
	– 1	Disp Dots		0 ~ 3000	674	–
	– 2	H Back Porch		0 ~ 3000	255	–
	– 3	V Back Porch		0 ~ 3000	77	–
	– 4	Disp Line		0 ~ 1500	558	–
	– 5	Clamp		0 ~ 3000	0	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 521	–	Faroudja Video Source 480i	(Activate with Optional Terminal Board)			
	– 0	Total Dots		0 ~ 3000	1126	–
	– 1	Disp Dots		0 ~ 3000	682	–
	– 2	H Back Porch		0 ~ 3000	193	–
	– 3	V Back Porch		0 ~ 3000	51	–
	– 4	Disp Line		0 ~ 1500	459	–
	– 5	Clamp		0 ~ 3000	0	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 522	–	Faroudja YCbCr 575p	(Activate with Optional Terminal Board)			
	– 0	Total Dots		0 ~ 3000	1500	–
	– 1	Disp Dots		0 ~ 3000	936	–
	– 2	H Back Porch		0 ~ 3000	268	–
	– 3	V Back Porch		0 ~ 3000	35	–
	– 4	Disp Line		0 ~ 1500	557	–
	– 5	Clamp		0 ~ 3000	0	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 523	–	Faroudja YCbCr 480p	(Activate with Optional Terminal Board)			
	– 0	Total Dots		0 ~ 3000	1500	–
	– 1	Disp Dots		0 ~ 3000	970	–
	– 2	H Back Porch		0 ~ 3000	251	–
	– 3	V Back Porch		0 ~ 3000	35	–
	– 4	Disp Line		0 ~ 1500	465	–
	– 5	Clamp		0 ~ 3000	0	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 524	–	Faroudja YCbCr 575i	(Activate with Optional Terminal Board)			
	– 0	Total Dots		0 ~ 3000	1126	–
	– 1	Disp Dots		0 ~ 3000	672	–
	– 2	H Back Porch		0 ~ 3000	178	–
	– 3	V Back Porch		0 ~ 3000	1	–
	– 4	Disp Line		0 ~ 1500	545	–
	– 5	Clamp		0 ~ 3000	0	–
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 525	–	Faroudja YCbCr 480i	(Activate with Optional Terminal Board)			
	– 0	Total Dots		0 ~ 3000	1126	–
	– 1	Disp Dots		0 ~ 3000	682	–
	– 2	H Back Porch		0 ~ 3000	192	–
	– 3	V Back Porch		0 ~ 3000	9	–
	– 4	Disp Line		0 ~ 1500	460	–
	– 5	Clamp		0 ~ 3000	0	–

Group No.	Item No.	Item	Function	Data Range	Initial Value	
	– 6	Blank Top		0 ~ 255	0	–
	– 7	Blank Bottom		0 ~ 255	0	–
S 530	–	SD-SDI 575i	(Activate with Optional Terminal Board)			
	– 0	ON/OFF	0: OFF, 1: ON	0/1	1	–
	– 1	Total Dots		0 ~ 3000	864	–
	– 2	Disp Dots		0 ~ 3000	697	–
	– 3	H Back Porch		0 ~ 3000	259	–
	– 4	V Back Porch		0 ~ 3000	26	–
	– 5	Disp Line		0 ~ 1500	566	–
	– 6	Clamp		0 ~ 3000	0	–
	– 7	Blank Top		0 ~ 255	0	–
	– 8	Blank Bottom		0 ~ 255	0	–
S 531	–	SD-SDI 480i	(Activate with Optional Terminal Board)			
	– 0	ON/OFF	0: OFF, 1: ON	0/1	1	–
	– 1	Total Dots		0 ~ 3000	858	–
	– 2	Disp Dots		0 ~ 3000	708	–
	– 3	H Back Porch		0 ~ 3000	242	–
	– 4	V Back Porch		0 ~ 3000	14	–
	– 5	Disp Line		0 ~ 1500	479	–
	– 6	Clamp		0 ~ 3000	0	–
	– 7	Blank Top		0 ~ 255	0	–
	– 8	Blank Bottom		0 ~ 255	0	–
S 532	–	Dual-SDI 575i	(Activate with Optional Terminal Board)			
	– 0	ON/OFF	0: OFF, 1: ON	0/1	1	–
	– 1	Total Dots		0 ~ 3000	864	–
	– 2	Disp Dots		0 ~ 3000	720	–
	– 3	H Back Porch		0 ~ 3000	250	–
	– 4	V Back Porch		0 ~ 3000	28	–
	– 5	Disp Line		0 ~ 1500	580	–
	– 6	Clamp		0 ~ 3000	0	–
	– 7	Blank Top		0 ~ 255	0	–
	– 8	Blank Bottom		0 ~ 255	0	–
S 533	–	Dual-SDI 480i	(Activate with Optional Terminal Board)			
	– 0	ON/OFF	0: OFF, 1: ON	0/1	1	–
	– 1	Total Dots		0 ~ 3000	858	–
	– 2	Disp Dots		0 ~ 3000	720	–
	– 3	H Back Porch		0 ~ 3000	237	–
	– 4	V Back Porch		0 ~ 3000	17	–
	– 5	Disp Line		0 ~ 1500	485	–
	– 6	Clamp		0 ~ 3000	0	–
	– 7	Blank Top		0 ~ 255	0	–
	– 8	Blank Bottom		0 ~ 255	0	–
S 540	–	SCART 575i				
	– 0	Total Dots		0 ~ 3000	1322	–
	– 1	Unused		–	–	–
	– 2	H Back Porch		0 ~ 3000	226	–
	– 3	V Back Porch		0 ~ 3000	33	–
	– 4 ~ 7	Unused		–	–	–
S 541	–	SCART 480i				
	– 0	Total Dots		0 ~ 3000	1292	–
	– 1	Unused		–	–	–
	– 2	H Back Porch		0 ~ 3000	199	–
	– 3	V Back Porch		0 ~ 3000	17	–
	– 4 ~ 7	Unused		–	–	–
S 900	–	PC ADJ.	(Activate at PC mode)			
	– 0	USR_GAIN		1 ~ 255	64	–
	– 1	G_SUB_GAIN		0 ~ 255	128	–
	– 2	B_SUB_GAIN		0 ~ 255	128	–
	– 3	R_SUB_GAIN		0 ~ 255	128	–
	– 4	G_SUB_BRT		0 ~ 8191	4096	–
	– 5	B_SUB_BRT		0 ~ 8191	4096	–
	– 6	R_SUB_BRT		0 ~ 8191	4096	–
	– 7	G_GAM_BRT		0 ~ 8191	4096	–
	– 8	B_GAM_BRT		0 ~ 8191	4096	–
	– 9	R_GAM_BRT		0 ~ 8191	4096	–
	– 10	G_BRT_CTRL		0 ~ 255	0	–
	– 11	B_BRT_CTRL		0 ~ 255	0	–
	– 12	R_BRT_CTRL		0 ~ 255	0	–
S 910	–	AV ADJ.	(Activate at AV mode)			
	– 0	USR_GAIN		1 ~ 255	64	–
	– 1	G_SUB_GAIN		0 ~ 255	128	–
	– 2	B_SUB_GAIN		0 ~ 255	128	–

Group No.	Item No.	Item	Function	Data Range	Initial Value	
	– 3	R_SUB_GAIN		0 ~ 255	128	–
	– 4	G_SUB_BRT		0 ~ 8191	4096	–
	– 5	B_SUB_BRT		0 ~ 8191	4096	–
	– 6	R_SUB_BRT		0 ~ 8191	4096	–
	– 7	G_GAM_BRT		0 ~ 8191	4096	–
	– 8	B_GAM_BRT		0 ~ 8191	4096	–
	– 9	R_GAM_BRT		0 ~ 8191	4096	–
	– 10	G_BRT_CTRL		0 ~ 255	0	–
	– 11	B_BRT_CTRL		0 ~ 255	0	–
	– 12	R_BRT_CTRL		0 ~ 255	0	–
S 920	–	PC/AV COMMON ADJ.				
	– 0	G_SIG_CNTR		0 ~ 255	33	–
	– 1	B_SIG_CNTR		0 ~ 255	33	–
	– 2	R_SIG_CNTR		0 ~ 255	33	–
	– 3	G_GAIN_CTRL		0 ~ 255	160	–
	– 4	R_GAIN_CTRL		0 ~ 255	160	–
	– 5	B_GAIN_CTRL		0 ~ 255	160	–
	– 6	G_VCOM_CTRL		0 ~ 255	100	–
	– 7	R_VCOM_CTRL		0 ~ 255	100	–
	– 8	B_VCOM_CTRL		0 ~ 255	100	–
	– 9	G_PSIGA		0 ~ 255	21	–
	– 10	R_PSIGA		0 ~ 255	21	–
	– 11	B_PSIGA		0 ~ 255	21	–
	– 12	G_PSIGB		0 ~ 255	212	–
	– 13	R_PSIGB		0 ~ 255	212	–
	– 14	B_PSIGB		0 ~ 255	212	–
S 930	–	Lamp Mode Change				
	– 0	ALL Lamp Mode	Data 0 is displayed, set data 10 and selection is activated. Data 11 is displayed when selection is accomplished. Data 99 is displayed while cooling and selection is disabled, wait until it is changed to data 0.	0 ~ 10	0	–
	– 1	2 Lamp Mode 1–4 or 1		0 ~ 10	0	–
	– 2	2 Lamp Mode 2–3 or 2		0 ~ 10	0	–
S 940	–	Lamp Factory Time	(Factory use only)			
	– 0	ALL to 2L–1	Lamp Mode Changing Time for Factory (Step:10)	50 ~ 200	120	–
	– 1	2L–1 to 2L–2	Lamp Mode Changing Time for Factory (Step:10)	50 ~ 200	180	–
	– 2	2L–2 to ALL	Lamp Mode Changing Time for Factory (Step:10)	50 ~ 200	180	–
	– 3	ALL to 2L–2	Lamp Mode Changing Time for Factory (Step:10)	50 ~ 200	120	–
	– 4	2L–2 to 2L–1	Lamp Mode Changing Time for Factory (Step:10)	50 ~ 200	180	–
	– 5	2L–1 to ALL	Lamp Mode Changing Time for Factory (Step:10)	50 ~ 200	180	–
S 941	–	Lamp Factory Time	(Factory use only)			
	– 0	Unused		–	–	–
	– 1	2L–1 to 2L–2	2L-1 to 2L-2 Stopping Time for Fan D2/D3	0 ~ 180	65	–
	– 2	2L–2 to ALL	2L–2 to ALL Stopping Time for Fan D1/D4	0 ~ 180	65	–
	– 3	Unused		–	–	–
	– 4	2L–2 to 2L–1	2L–2 to 2L–1 Stopping Time for Fan D1/D4	0 ~ 180	65	–
	– 5	2L–1 to ALL	2L–1 to ALL Stopping Time for Fan D2/D3	0 ~ 180	65	–
S 950	–	SWFPGA IP DLY				
	– 0	IP Signal Delay	IP Signal Delay (0 : ON, 1 : OFF)	0 / 1	0	–
S 970	-	GHOST				
	- 0	SHP		1 ~ 63	30	–
	- 1	GC_ON		0 ~ 1	1	–
	- 2	R_GC_ATT		1 ~ 255	0	–
	- 3	G_GC_ATT		1 ~ 255	0	–
	- 4	B_GC_ATT		1 ~ 255	0	–
	- 5	DFT_ON		0 ~ 1	0	–
	- 6	R_HPC_DAT		0 ~ 2047	0	–
	- 7	R_HPC_DAT		1 ~ 2047	0	–
	- 8	R_HPC_DAT		2 ~ 2047	0	–
	- 9	DCK_CDAT	Read only	–	–	–
S 971	-	GHOST DRIFT				
	- 0	DCK1F	R Panel	0 ~ 47	1	–
	- 1	DCK2F	R Panel	0 ~ 47	1	–
	- 2	DCK3F	G Panel	0 ~ 47	1	–
	- 3	DCK4F	G Panel	0 ~ 47	1	–
	- 4	DCK5F	B Panel	0 ~ 47	1	–
	- 5	DCK6F	B Panel	0 ~ 47	1	–
S 972	-	GHOST DRIFT TIMER				
	- 0	R_PANEL Ghost Timer	Read only	0 ~ 32767	–	–
	- 1	R_PANEL Ghost Timer Reset	Reset to set data to "10" (⁕) R_panel ghost timer reset	0 ~ 10	0	–
	- 2	G_PANEL Ghost Timer	Read only	0 ~ 32767	–	–
	- 3	G_PANEL Ghost Timer Reset	Reset to set data to "10" (⁕) G_panel ghost timer reset	1 ~ 10	0	–

Group No.	Item No.	Item	Function	Data Range	Initial Value	
	- 4	B_PANEL Ghost Timer	Read only	0 ~ 32767	–	–
	- 5	B_PANEL Ghost Timer Reset	Reset to set data to "10" (*) B_panel ghost timer reset	0 ~ 10	0	–
S 973	-	Panel Vertical Thread Canceller				
	- 0	VS_R_RGT		0 ~ 1	1	–
	- 1	VS_G_RGT		0 ~ 1	1	–
	- 2	VS_B_RGT		0 ~ 1	1	–
	- 3	VS_DAT1 ~ 9		0 ~ 255	0	–
	- 4	VS_GDAT1		0 ~ 255	64	–
	- 5	VS_GDAT2		0 ~ 255	64	–
	- 6	VS_GDAT3		0 ~ 255	64	–
	- 7	VS_POS		0 ~ 15	0	–
S 974	-	Panel Vertical Thread Canceller	(LEFT/RIGHT REVERSE)			
	- 0	VS_R_RGT		0 ~ 1	1	–
	- 1	VS_G_RGT		0 ~ 1	1	–
	- 2	VS_B_RGT		0 ~ 1	1	–
	- 3	VS_DAT1 ~ 9		0 ~ 255	0	–
	- 4	VS_GDAT1		0 ~ 255	64	–
	- 5	VS_GDAT2		0 ~ 255	64	–
	- 6	VS_GDAT3		0 ~ 255	64	–
	- 7	VS_POS		0 ~ 15	0	–
S 980	-	Color Shading Stair Level	4 Lamp Mode, 2 Lamp Mode 1/4 - 2/3			
	- 0	R_Stair MIN Level		0 ~ 1023	284	–
	- 1	R_Stair MID2 Level		0 ~ 1023	432	–
	- 2	R_Stair MID1 Level		0 ~ 1023	522	–
	- 3	R_Stair MAX Level		0 ~ 1023	608	–
	- 4	G_Stair MIN Level		0 ~ 1023	284	–
	- 5	G_Stair MID2 Level		0 ~ 1023	432	–
	- 6	G_Stair MID1 Level		0 ~ 1023	522	–
	- 7	G_Stair MAX Level		0 ~ 1023	608	–
	- 8	B_Stair MIN Level		0 ~ 1023	284	–
	- 9	B_Stair MID2 Level		0 ~ 1023	432	–
	- 10	B_Stair MID1 Level		0 ~ 1023	522	–
	- 11	B_Stair MAX Level		0 ~ 1023	608	–
S 981	-	Color Shading Stair Level	Type-L / Type-R OFFSET			
	- 0	R_Stair MIN Level		0 ~ 255	0/0	–
	- 1	R_Stair MID2 Level		0 ~ 255	0/0	–
	- 2	R_Stair MID1 Level		0 ~ 255	0/0	–
	- 3	R_Stair MAX Level		0 ~ 255	0/0	–
	- 4	G_Stair MIN Level		0 ~ 255	0/0	–
	- 5	G_Stair MID2 Level		0 ~ 255	0/0	–
	- 6	G_Stair MID1 Level		0 ~ 255	0/0	–
	- 7	G_Stair MAX Level		0 ~ 255	0/0	–
	- 8	B_Stair MIN Level		0 ~ 255	120/140	–
	- 9	B_Stair MID2 Level		0 ~ 255	126/131	–
	- 10	B_Stair MID1 Level		0 ~ 255	127/130	–
	- 11	B_Stair MAX Level		0 ~ 255	0/0	–
S 997	-	Panel Life Test Pattern Display	(UP/DOWN KEY is available at data 0)			
	- 0	Panel Life Test Pattern Display	Data 0 : Menu	0 ~ 1	0	–
S 998	–	Stack Pattern Display	(UP/DOWN KEY is available at data 0)			
	– 0	Stack Pattern Display	Data 0 : Menu (Volume ± KEY : W, R, G, B, Y, LB)	0 ~ 1	0	–
S 1000	–	CXA2019AQ				
	– 0	H_LOCK	Status Register (0: Not locked, 1: Locked)	0 / 1	0	
	– 1	KILLER	Status Register (0: OFF, 1: ON)	0 / 1	1	
	– 2	NT_PAL	Status Register (0: NTSC, 1: PAL)	0 / 1	0	
	– 3	F50_60	Status Register (0: 60Hz, 1: 50Hz)	0 / 1	0	
	– 4	SECAM	Status Register (0: Not SECAM, 1: SECAM)	0 / 1	0	
	– 5	VCO_F	Status Register (0: 3.58MHz, 1: 4.43MHz)	0 / 1	1	
	– 6	R11_Y_DELAY_CV_PAL	Y Delay at composite signal	0 ~ 3	3	
	– 7	R11_Y_DELAY_CV_SECAM	Y Delay at composite signal	0 ~ 3	0	
	– 8	R11_Y_DELAY_CV_NTSC	Y Delay at composite signal	0 ~ 3	3	
	– 9	R11_Y_DELAY_CV_NTSC443	Y Delay at composite signal	0 ~ 3	0	
	– 10	R11_Y_DELAY_CV_PAL_M	Y Delay at composite signal	0 ~ 3	2	
	– 11	R11_Y_DELAY_CV_PAL_N	Y Delay at composite signal	0 ~ 3	2	
	– 12	R11_Y_DELAY_CV_MONO_60	Y Delay at composite signal	0 ~ 3	3	
	– 13	R11_Y_DELAY_CV_MONO_50	Y Delay at composite signal	0 ~ 3	3	
	– 14	R11_Y_DELAY_YC_PAL	Y Delay at Y/C Sep. signal	0 ~ 3	0	
	– 15	R11_Y_DELAY_YC_SECAM	Y Delay at Y/C Sep. signal	0 ~ 3	3	
	– 16	R11_Y_DELAY_YC_NTSC	Y Delay at Y/C Sep. signal	0 ~ 3	0	
	– 17	R11_Y_DELAY_YC_NTSC443	Y Delay at Y/C Sep. signal	0 ~ 3	0	
	– 18	R11_Y_DELAY_YC_PAL_M	Y Delay at Y/C Sep. signal	0 ~ 3	0	
	– 19	R11_Y_DELAY_YC_PAL_N	Y Delay at Y/C Sep. signal	0 ~ 3	0	
	– 20	R11_Y_DELAY_YC_MONO_60	Y Delay at Y/C Sep. signal	0 ~ 3	0	

Group No.	Item No.	Item	Function	Data Range	Initial Value	
	– 21	R11_Y_DELAY_YC_MONO_50	Y Delay at Y/C Sep. signal	0 ~ 3	0	
	– 22	R04_C_TRAP_ADJ_SECAM	Chroma trap f0 Adj. (0: High, 1: Low)	0 ~ 15	13	
	– 23	R04_C_TRAP_ADJ_NTSC443	Chroma trap f0 Adj. (0: High, 1: Low)	0 ~ 15	10	
	– 24	R0_HUE_NTSC	Tint Control (for 60Hz)	0 ~ 63	35	
	– 25	R1_COLOR	Color Control	0 ~ 63	20	
	– 26	R2_SHARPNESS	Sharpness Control	0 ~ 63	5	
	– 27	R3_SUB COLOR_NTSC	Sub Color Control	0 ~ 15	3	
	– 28	R3_SUB COLOR_PAL	Sub Color Control	0 ~ 15	6	
	– 29	R4_AFC	AFC Loop Gain Selector (0: High, 1: Medium)	0 / 1	0	
	– 30	R8_Y2 DRIVE	Y2 Output Gain Control	0 ~ 31	20	
	– 31	R9_U2 DRIVE	U2 Output Gain Control	0 ~ 31	15	
	– 32	R9_PRE OVER	Setting of Preshoot to Overshoot ratio of sharpness	0 ~ 3	0	
	– 33	R10_V2 DRIVE	V2 Output Gain Control	0 ~ 31	15	
	– 34	R12_SCP BGF	Setting of phase of BGP falling edge in SCP output	0 ~ 3	2	
	– 35	R12_SCP BGR	Setting of phase of BGP rising edge in SCP output	0 ~ 3	3	
	– 36	R0_HUE_PAL	Tint Control (for 50Hz)	0 ~ 63	35	
S 1010	–	CXA2101AQ				
	– 0	R02_PICTURE	Picture Gain Control (RGB Move Together)	0 ~ 63	35	
	– 1	R05_BRIGHT	Main Brightness Control (RGB Move Together)	0 ~ 63	45	
	– 2	R07_R_DRIVE	R Drive Gain Control	0 ~ 63	35	
	– 3	A04 R–BLNK	R Cut–off Control	0 ~ 255	140	
	– 4	R09_B_DRIVE	B Drive Gain Control	0 ~ 63	35	
	– 5	A03 B–BLNK	B Cut–off Control	0 ~ 255	140	
	– 6	R13_SUB_BRIGHT	Setting for output DC bias of RGBOUT	0 ~ 63	63	
	– 7	R17_SUB_CONTRAST	Y Contrast Gain Control	0 ~ 15	2	
	– 8	R08 G_DRIVE	G Drive Gain Control	0 ~ 63	34	
	– 9	R03_SYSTEM	Signal Frequency Band Setting	0 ~ 3	0	
			(0: NORMAL 1: FF 2: HD 3: FIX–HD)			
	– 10	R15_CR–OFFSET 1	For canceling offset between Cr of IN1 and SELIN systems	0 ~ 15	7	
	– 11	R15_CB–OFFSET 1	For canceling offset between Cb of IN1 and SELIN systems	0 ~ 15	7	
	– 12	R17_SUB–COL	Color Gain Control	0 ~ 15	5	
	– 13	R18_SUB_HUE	Hue Center Control	0 ~ 15	4	
	– 14	R18_CTI–LEVEL	Color difference Signal Edge Enhancement Setting	0 ~ 3	3	
			(0: OFF, 1: Low, 2 : Medium, 3: High)			
	– 15	R23_SUB–SHP	Sharpness Center Control	0 ~ 3	1	
	– 16	R23_SHP_F0	Sharpness f0 Setting	0 ~ 3	3	
	– 17	R23_PRE_OVER	Preshoot to Overshoot Ratio Setting	0 ~ 3	1	
			(0: PRE : OVER 1 : 1.3 , 3: PRE : OVER 3 : 1)			
	– 18	R23_LTI_LEVEL	Luminance Signal Edge Enhancement Setting	0 ~ 3	0	
			(0: OFF, 1: Low, 2 : Medium, 3: High)			
	– 19	R24_D_PIC	Dynamic picture (Black Expansion) Control	0 ~ 3	0	
			(0: OFF, 1: Low : inflection point 30 IRE)			
			(2 : Medium : 35 IRE, 3: High : 40 IRE)			
	– 20	R24_R–Y/R_NTSC	R–Y axis + (R–Y) component setting (0: Max, 15: Min)	0 ~ 15	6	
	– 21	R24_R–Y/B_NTSC	R–Y axis – (B–Y) component setting (0: Max, 15: Min)	0 ~ 15	5	
	– 22	R24_G–Y/R_NTSC	G–Y axis – (R–Y) component setting (0: Max, 15: Min)	0 ~ 15	8	
	– 23	R24_G–Y/B_NTSC	G–Y axis – (B–Y) component setting (0: Max, 15: Min)	0 ~ 15	10	
	– 24	R24_R–Y/R_PAL	R–Y axis + (R–Y) component setting (0: Max, 15: Min)	0 ~ 15	13	
	– 25	R24_R–Y/B_PAL	R–Y axis – (B–Y) component setting (0: Max, 15: Min)	0 ~ 15	15	
	– 26	R24_G–Y/R_PAL	G–Y axis – (R–Y) component setting (0: Max, 15: Min)	0 ~ 15	0	
	– 27	R24_G–Y/B_PAL	G–Y axis – (B–Y) component setting (0: Max, 15: Min)	0 ~ 15	0	
	– 28	R24_R–Y/R_SECAM	R–Y axis + (R–Y) component setting (0: Max, 15: Min)	0 ~ 15	13	
	– 29	R24_R–Y/B_SECAM	R–Y axis – (B–Y) component setting (0: Max, 15: Min)	0 ~ 15	15	
	– 30	R24_G–Y/R_SECAM	G–Y axis – (R–Y) component setting (0: Max, 15: Min)	0 ~ 15	8	
	– 31	R24_G–Y/B_SECAM	G–Y axis – (B–Y) component setting (0: Max, 15: Min)	0 ~ 15	4	
	– 32	R06_SHARPNESS	Sharpness Gain Control	0 ~ 63	32	
	– 33	EH	Availability of Independent H Input selected by INPUT–SEL	0 / 1	1	
	– 34	EV	Availability of Independent V Input selected by INPUT–SEL	0 / 1	1	
	– 35	IK	AKB Loop Operation Status	0 / 1	0	
S 1020	–	UPD64082				
	– 0	R04_DYCOR	DY detect coring level (Y movement detect coring)	0 ~ 15	4	
	– 1	R04_DYGAIN	DY detect gain (Y movement detect gain)	0 ~ 15	15	
	– 2	R05_DCCOR	DC detect coring level (C movement detect coring)	0 ~ 15	2	
	– 3	R05_DCGAIN	DC detect gain (C movement detect gain)	0 ~ 15	13	
S 1030	–	DAC				
	– 0	A12 G DETAIL	DAC A12 G Pedestal Adj.	0 ~ 100	0	
	– 1	R1_COLOR	CXA2019AQ Color Adj. (same as item 1000–25)	0 ~ 63	20	
	– 2	R0_HUE_NTSC	CXA2019AQ Tint Adj. (for 60Hz) (same as item 1000–24)	0 ~ 63	35	

■ Waveforms

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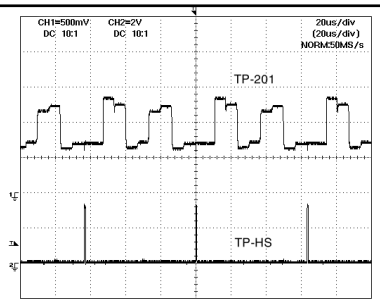	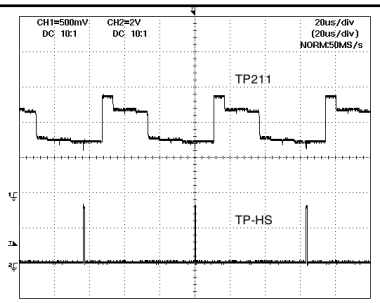	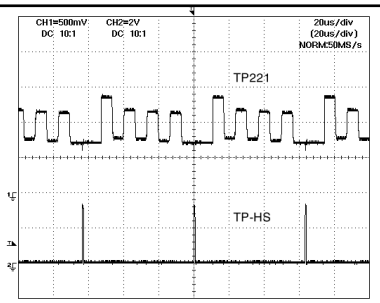
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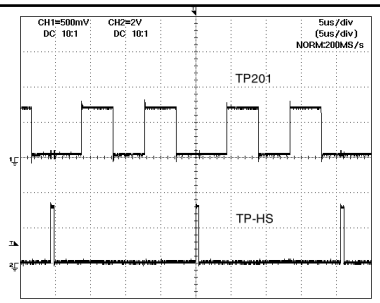	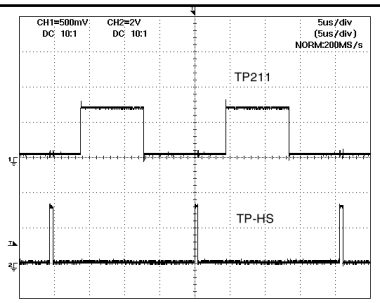	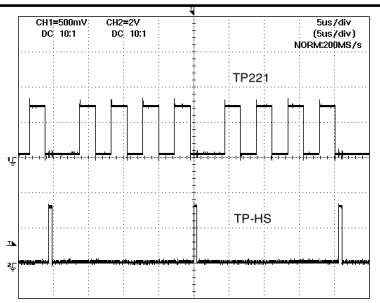
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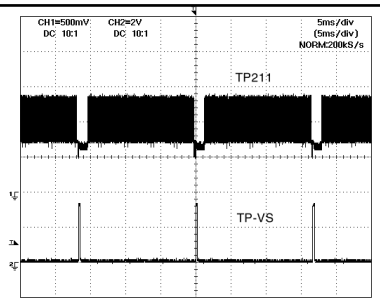	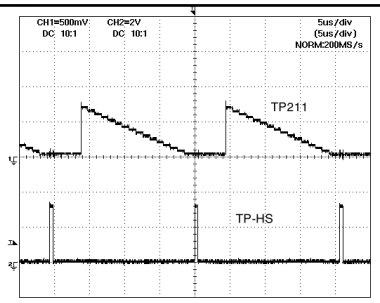	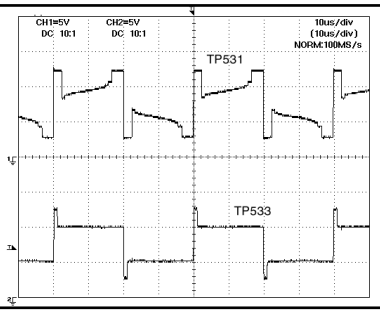
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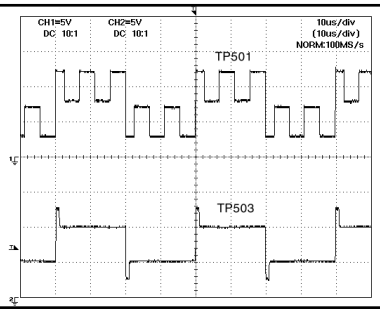
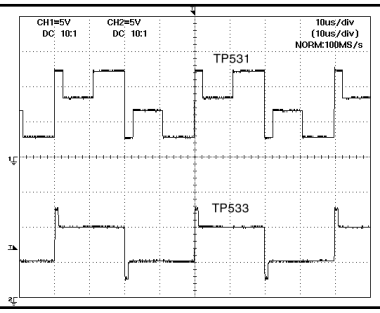
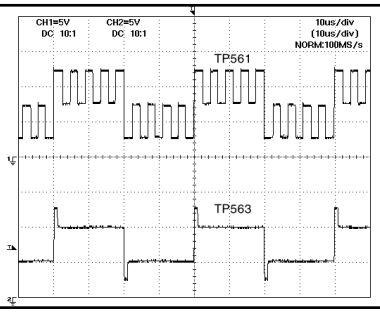
		

■ Control Port Functions

● System Control & I/O Port Table (IC801, HD64F7045)

Pin No.	Name	Function Name	Function	Polarity	I/O
1	PA23/WRHH	USB RESET	USB Reset signal	Active L	O
2	PE14/TIOC4C/DACK0/AH				O
3	PA22/WRHL				
4	PA21/CASHH	RS232C_SW	RS232C Output select signal	always L	O
5	PE15/TIOC4D/DACK1/IRQOUT	POWER SW	"L":Power OFF "H":Power ON		O
6	VSS	GND			
7	PC0/A0	ADDRESS0	Address Bus 0		O
8	PC1/A1	ADDRESS1	Address Bus 1		O
9	PC2/A2	ADDRESS2	Address Bus 2		O
10	PC3/A3	ADDRESS3	Address Bus 3		O
11	PC4/A4	ADDRESS4	Address Bus 4		O
12	VCC	5V			
13	PC5/A5	ADDRESS5	Address Bus 5		O
14	VSS	GND			
15	PC6/A6	ADDRESS6	Address Bus 6		O
16	PC7/A7	ADDRESS7	Address Bus 7		O
17	PC8/A8	ADDRESS8	Address Bus 8		O
18	PC9/A9	ADDRESS9	Address Bus 9		O
19	PC10/A10	ADDRESS10	Address Bus 10		O
20	PC11/A11	ADDRESS11	Address Bus 11		O
21	PC12/A12	ADDRESS12	Address Bus 12		O
22	PC13/A13	ADDRESS13	Address Bus 13		O
23	PC14/A14	ADDRESS14	Address Bus 14		O
24	PC15/A15	ADDRESS15	Address Bus 15		O
25	PB0/A16	ADDRESS16	Address Bus 16		O
26	VCC	5V			
27	PB1/A17	ADDRESS17	Address Bus 17		O
28	VSS	GND			
29	PA20/CASHL	SCL 1	IIC Bus 1 Clock		I/O
30	PA19/BACK/DRAK1	SDA 1	IIC Bus 1 Data		I/O
31	PB2/IRQ0/POE0/RAS				
32	PB3/IRQ1/POE1/CASL				
33	PA18/BREQ/DRAK0	SYS SW	IC on/off Switch (ON="L", OFF="H")		O
34	PB4/IRQ2/POE2/CASH	AFT-V	V SYNC Input (LCD Panel Drive)	Active L	I
35	VSS	GND			
36	PB5/IRQ3/POE3/RDWR				I
37	PB6/IRQ4/A18/BACK	ADDRESS18	Address Bus 18		O
38	PB7/IRQ5/A19/BREQ	ADDRESS19	Address Bus 19		O
39	PB8/IRQ6/A20/WAIT	ADDRESS20	Address Bus 20		O
40	VCC	5V			
41	PB9/IRQ7/A21/ADTRG	ADDRESS21	Address Bus 21		O
42	VSS	GND			
43	PA14/RD	READ	Read Signal	Active L	O
44	WDTOVF				
45	PD31/D31/ADTRG	RTS	RS232C RTS (Request To Send)		O
46	PD30/D30/IRQOUT	CTS	RS232C CTS (Clear To Send)		I
47	PA13/WRH				
48	PA12/WRL	WRL	Write Signal (L-8Bit)	Active L	O
49	PA11/CS1	CS1			
50	PA10/CS0	CS0	Flash Memory Chip Select	Active L	O
51	PA9/TCLKD/IRQ3	SCL 2	IIC Bus 2 Clock		I/O
52	PA8/TCLKC/IRQ2	SDA 2	IIC Bus 2 Data		I/O
53	PA7/TCLKB/CS3	CS3	USB/IP/IO EXP/SRAM/FIFO/SW/GH Chip Select	Active L	O
54	PA6/TCLKA/CS2	CS2	CXD3511Q/P-FAIL Chip Select	Active L	O
55	VSS	GND			
56	PD29/D29/CS3				
57	PD28/D28/CS2	PW_SEL	PW365 232C Select(SH="H",PIXEL="L")		O
58	PD27/D27/DACK1	PW_INTR	PW365 Interrupt Signal		O
59	PD26/D26/DACK0	PW_OUT1	PW365 Data Output		O
60	PD25/D25/DREQ1	PW_OUT0	PW365 Data Output		O
61	VSS	GND			
62	PD24/D24/DREQ0	FPGA_READ	SW FPGA Read		
63	VCC	5V			
64	PD23/D23/IRQ7				
65	PD22/D22/IRQ6				
66	PD21/D21/IRQ5				
67	PD20/D20/IRQ4	SCONF_DONE	Enhancer/FPGA Config Done Signal		I/O
68	PD19/D19/IRQ3	SSTATUS	Enhancer/FPGA Status Signal		I/O
69	PD18/D18/IRQ2	PW_IN1	PW365 Data Input		I
70	PD17/D17/IRQ1	PW_IN0	PW365 Data Input		I
71	VSS	GND			

Pin No.	Name	Function Name	Function	Polarity	I/O
72	PD16/D16/IRQ0	PW_PG_SEL	PW365 232C Write SW(SH="H",PIXEL="L")		I
73	PD15/D15	DATA15	Data Bus 15		I/O
74	PD14/D14	DATA14	Data Bus 14		I/O
75	PD13/D13	DATA13	Data Bus 13		I/O
76	PD12/D12	DATA12	Data Bus 12		I/O
77	VCC	5V			
78	PD11/D11	DATA11	Data Bus 11		I/O
79	VSS	GND			
80	PD10/D10	DATA10	Data Bus 10		I/O
81	PD9/D9	DATA9	Data Bus 9		I/O
82	PD8/D8	DATA8	Data Bus 8		I/O
83	PD7/D7	DATA7	Data Bus 7		I/O
84	PD6/D6	DATA6	Data Bus 6		I/O
85	VCC	5V			
86	PD5/D5	DATA5	Data Bus 5		I/O
87	VSS	GND			
88	PD4/D4	DATA4	Data Bus 4		I/O
89	PD3/D3	DATA3	Data Bus 3		I/O
90	PD2/D2	DATA2	Data Bus 2		I/O
91	PD1/D1	DATA1	Data Bus 1		I/O
92	PD0/D0	DATA0	Data Bus 0		I/O
93	VSS	GND			
94	XTAL	XTAL	OSC Signal Input		I
95	MD3	Mode-3	Mode-3		I
96	EXTAL	EXTAL	OSC Signal Output		O
97	MD2	Mode-2	Mode-2		I
98	NMI	NONMASK	NONMASK Interrupt Signal Input		I
99	VCC (FWP)	FWP	Flash Memory Write Mode		I
100	PA16/AH	FLASH MODE	FWP Control		O
101	PA17/WAIT				O
102	MD1	Mode-1	Mode-1	Always H	I
103	MD0	Mode-0	Mode-0	Always L	I
104	PLLVCC	PLLVCC	PLL Vcc		
105	PLLCAP	PLLCAP	PLL Filter		
106	PLLVSS	PLLGND	PLL Gnd		
107	PA15/CK	M-CLK	CPU Clock Output (Auto Image FPGA)		O
108	RES	Reset	Reset	Active L	I
109	PE0/TIOC0A/DREQ0	PCTL	CXD3511Q Strobe Signal		O
110	PE1/TIOC0B/DRAK0	SCL 6	IIC Bus 6 Clock		I/O
111	PE2/TIOC0C/DREQ1	SDA 6	IIC Bus 6 Data		I/O
112	VCC	5V			
113	PE3/TIOC0D/DRAK1	SDA 3	IIC Bus 3 Data		I/O
114	PE4/TIOC1A	SCL 3	IIC Bus 3 Clock		I/O
115	PE5/TIOC1B	SDA 4	IIC Bus 4 Data		I/O
116	PE6/TIOC2A	SCL 4	IIC Bus 4 Clock		I/O
117	VSS	GND			
118	PF0/AN0	KEY1	Top Control Keys-1 (A/D Input)		I
119	PF1/AN1	KEY2	Top Control Keys-2 (A/D Input)		I
120	PF2/AN2	KEY3	Top Control Keys-3 (A/D Input)		I
121	PF3/AN3	OPT1	Logo Mark (A/D Input)		I
122	PF4/AN4	Press Sensor	Atmospheric Pressure Sensor		I
123	PF5/AN5	Temp Sensor	Thermistor		I
124	AVSS	GND	A / D Gnd		
125	PF6/AN6	POWER FAIL	Power Fail (L : Abnormality)		I
126	PF7/AN7	SDATA IN	Serial DATA IN		I
127	AVREF	5V	5V A / D REF.		
128	AVCC	5V	5V A / D Vcc		
129	VSS	GND			
130	PA0/RXD0	SH_RX	PW365 Rx		I
131	PA1/TXD0	SH_TX	PW365 Tx		O
132	PA2/SCK0/DREQ0/IRQ0	USB Connect	USB Connection		I
133	PA3/RXD1	Rx	RS232C Rx		I
134	PA4/TXD1	Tx	RS232C Tx		O
135	VCC	5V			
136	PA5/SCK1/DREQ1/IRQ1	USB INTR	USB Interrupt Signal Input	Active L	I
137	PE7/TIOC2B	SDA 5	IIC Bus 5 Data		I/O
138	PE8/TIOC3A	SCL 5	IIC Bus 5 Clock		I/O
139	PE9/TIOC3B	SDATA OUT	Enhancer/FIFO/SW/GH Data Output Signal		O
140	PE10/TIOC3C	SCLK	Enhancer/FIFO/SW/GH Clock Output Signal		O
141	VSS	GND			
142	PE11/TIOC3D	EXP RESET	I/ O Expander Reset Signal	Active H	O
143	PE12/TIOC4A	R/C	R / C Input	Active L	I
144	PE13/TIOC4B/MRES	PW RESET	PW365 Reset Signal	Active L	O

● I/O Expander (IC1801, M66501)

Pin No.	Name	Function Name	Function	Polarity	I/O
1	PA1	SW_DVI	DVI Select SW	Digital= "L"	O
2	PA0	IP_OUT_SW	IP Select SW	CG= "H"	O
3	Vcc	Vcc	5V ±10%		-
4	RD	READ_CPU	Read Select	Active "L"	I
5	WR	WRITE_CPU	Write Select	Active "L"	I
6	CS	CS_EXP	Chip Select	Active "L"	I
7	RESET	EXP_RST	Reset	Active "H"	I
8	GND1	GND			-
9	A2	A2CPU	Port Select 2		I
10	A1	A1CPU	Port Select 1		I
11	A0	A0CPU	Port Select 0		I
12	D0	D0CPU	Data Bus 0		I/O
13	D1	D1CPU	Data Bus 1		I/O
14	D2	D2CPU	Data Bus 2		I/O
15	D3	D3CPU	Data Bus 3		I/O
16	D4	D4CPU	Data Bus 4		I/O
17	D5	D5CPU	Data Bus 5		I/O
18	D6	D6CPU	Data Bus 6		I/O
19	D7	D7CPU	Data Bus 7		I/O
20	PC7	SLOT_SEL1	Slot select 1		O
21	PC6	SLOT_SEL2	Slot select 2		O
22	PC5				O
23	PC4	AUDIO_MUTE	Mute Output		O
24	PC0	LAMP1	PFC 1 On/Off SW	ON = H	O
25	PC1	LAMP2	PFC 2 On/Off SW	ON = H	O
26	PC2	LAMP3	PFC 3 On/Off SW	ON = H	O
27	PC3	LAMP4	PFC 4 On/Off SW	ON = H	O
28	PG0	LAMP1_ERR	Lamp monitor 1	Abnormality "H"	I
29	PG1	LAMP_ERR	Lamp monitor 2	Abnormality "H"	I
30	PG2	LAMP3_ERR	Lamp monitor 3	Abnormality "H"	I
31	PG3	LAMP4_ERR	Lamp monitor 4	Abnormality "H"	I
32	GND2	GND			-
33	PF0	TEMP_LED	Temp Warning LED Drive	LED ON = "L"	O
34	PF1	LAMP_LED	Lamp Replacement LED Drive	LED ON = "L"	O
35	PF2	READY_LED	Ready LED Drive	LED ON = "L"	O
36	PF3	SP_OFF	Speaker on/off Switch	"L":ON "H":OFF	O
37	PF4	BLAST_SW2	Lamp Ballast 2 On/Off SW	ON = H	O
38	PF5	BLAST_SW1	Lamp Ballast 1 On/Off SW	ON = H	O
39	PF6	BLAST_SW3	Lamp Ballast 3 On/Off SW	ON = H	O
40	PF7	BLAST_SW4	Lamp Ballast 4 On/Off SW	ON = H	O
41	Vcc	Vcc	5V ±10%		-
42	PE0	LENS_UP	Lens Up		O
43	PE1	LENS_DOWN	Lens Down		O
44	PE2	LENS_RIGHT	Lens Right		O
45	PE3	LENS_LEFT	Lens Left		O
46	PE4	FOCUS+	Focus +		O
47	PE5	FOCUS-	Focus -		O
48	PE6	ZOOM+	Zoom +		O
49	PE7	ZOOM-	Zoom -		O
50	GND3	GND			-
51	PB0	LENS_TOP	Lens Top Detection	Top= " L "	I
52	PB1	LENS_VC	Lens U/D Center Detection	Center= Edge	I
53	PB2	LENS_BOT	Lens Bottom Detection	Bottom= "L"	I
54	PB3	LENS_RE	Lens Right Detection	Right= "L"	I
55	PB4	LENS_HC	Lens R/L Detection	Center= Edge	I
56	PB5	LENS_LE	Lens Left Detection	Left= "L"	I
57	PB6	INIT_SW_FPGA			I
58	PB7	DONE_SW_FPGA			I
59	PA7	RC_CTL0			O
60	PA6	PW_OUT_SW			O
61	PA5	C_ON			O
62	PA4	PANEL_ON			O
63	PA3	RC_CTL1			O
64	PA2	-			-

● Parallel Bus I/O Expander

IC Ref. No	Pin	I/O	Signal Name	Function	Note
	2	I	PF_5V	Power Fail	
Main Board	3	I	PF_9V	Power Fail	
	4	I	PF_S9V	Power Fail	
IC4841	5	I	PF_-5V	Power Fail	
	6	I	PF_16V	Power Fail	
74ACT541	7	I	PF_TH	Power Fail	Temperature SW and lamp cover SW
	8	I	PF_12VA	Power Fail	
	9	I	PF_PFC1	Power Fail	
	2	I	PF_PFC2	Power Fail	
Main Board	3	I	PF_PFCFAN1	Power Fail	
	4	I	PF_PFC3	Power Fail	
IC4842	5	I	PF_PFC4	Power Fail	
	6	I	PF_PFCFAN2	Power Fail	
74ACT541	7	I	PF_M&A	Power Fail	Motor and Audio board
	8	I	PF_K8G	Power Fail	Lamp fannet board
	9	I	-		
	2	I	PF_VCCFAN1	Power Fail	
Main Board	3	I	PF_VCCFAN2	Power Fail	
	4	I	PF_VCCFAN3	Power Fail	
IC4843	5	I	PF_VCCFAN4	Power Fail	
	6	I	PF_FAN1	Power Fail	
74ACT541	7	I	PF_FAN2	Power Fail	
	8	I	PF_FAN3	Power Fail	
	9	I	PF_FAN4	Power Fail	
	2	I	PF_15.5V	Power Fail	
Main Board	3	I	PF_13.5V	Power Fail	
	4	I	PF_3.3V	Power Fail	
IC4844	5	I	PF_2.5V	Power Fail	
	6	I	PF_1.8V	Power Fail	
74ACT541	7	I	PF_1.5V	Power Fail	
	8	I	-		
	9	I	-		
	2	O	FPGA2_NCONFIG		
Main Board	5	O	IP_RESET		
	6	O	PRGRAM_FPGA		
IC1822	9	O	USB_BRST		
	12	O	GAMSH_CS		
74LVC374	15	O	FPGA2_CLB		
	16	O	FPGA2_HZ		
	19	O	STB_FPGASW		

● IIC Bus I/O Expander and D/A Converter

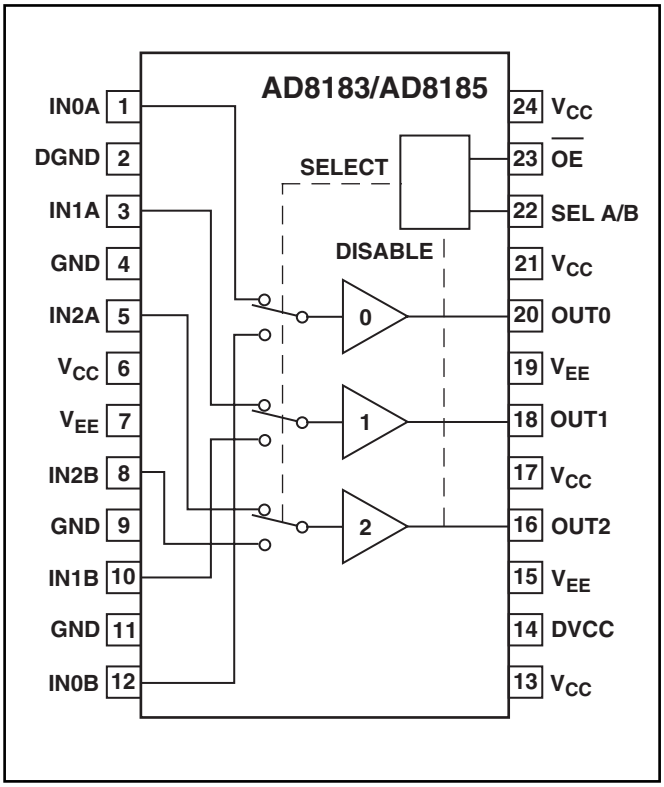
IC Ref. No	Pin	I/O	Signal Name	Function	Note
	4	O	DACFANSW1		
Main Board	5	O	DACFANSW2		
	6	O	DACFANSW3		
IC7801	7	O	DACFANSW4		
	12	O	DACFANCONT1		
M62399	13	O	DACFANCONT2		
	14	O	DACFANCONT3		
	15	O	DACFANCONT4		
	18	I	CS2	Slave address setting port_2 (GND)	
	19	I	CS1	Slave address setting port_1 (GND)	
	20	I	CS0	Slave address setting port_0 (GND)	
	4	I	M-IDA1	Slot 1 Type Detection 1	
CG Mother Board	5	I	M-IDA2	Slot 2 Type Detection 1	
	6	I	M-IDA3	Slot 3 Type Detection 1	
IC9021	7	I	M-IDA4	Slot 4 Type Detection 1	
	9	I	M-IDB1	Slot 1 Type Detection 2	
M62320	10	I	M-IDB2	Slot 2 Type Detection 2	
	11	I	M-IDB3	Slot 3 Type Detection 2	
	12	I	M-IDB4	Slot 4 Type Detection 2	
	14	I	CS2	Slave address setting port_2 (GND)	
	15	I	CS1	Slave address setting port_1 (GND)	
	16	I	CS0	Slave address setting port_0 (GND)	
	4	I	M-IDC1	Slot 1 Type Detection 3	
CG Mother Board	5	I	M-IDC2	Slot 2 Type Detection 3	
	6	I	M-IDC3	Slot 3 Type Detection 3	
IC9022	7	I	M-IDC4	Slot 4 Type Detection 3	
	9	I	SLOT1 ID	Slot 1 Detection	
M62320	10	I	SLOT2 ID	Slot 2 Detection	
	11	I	SLOT3 ID	Slot 3 Detection	
	12	I	SLOT4 ID	Slot 4 Detection	
	14	I	CS2	Slave address setting port_2 (Vdd)	
	15	I	CS1	Slave address setting port_1 (GND)	
	16	I	CS0	Slave address setting port_0 (GND)	
	4	I	SCDT_DIF		
DVI Board	5	O	PD		
	6	I	P_FAIL_5V/9V		
IC8181	7	O	DDC_WRITE		
	9	O	MOUSE/CPU_SW2		
M62320	10	I	CTL3		
	11	O	RESET		
	12	O	HDCP_SW		
	14	I	CS2	Slave address setting port_2 (GND)	
	15	I	CS1	Slave address setting port_1 (GND)	
	16	I	CS0	Slave address setting port_0 (GND)	
	4	O	VS_DET		
DVI Board	5	O	SYNC_ID		
	6	O	A_D		
IC8082	7	O	PC/AD_SW		
	9	-			
M62320	10	O	F_C		
	11	O	HD_NTSC_SW		
	12	O	SCART_SW		
	14	I	CS2	Slave address setting port_2 (GND)	
	15	I	CS1	Slave address setting port_1 (GND)	
	16	I	CS0	Slave address setting port_0 (Vdd)	

● IIC Bus I/O Expander and D/A Converter

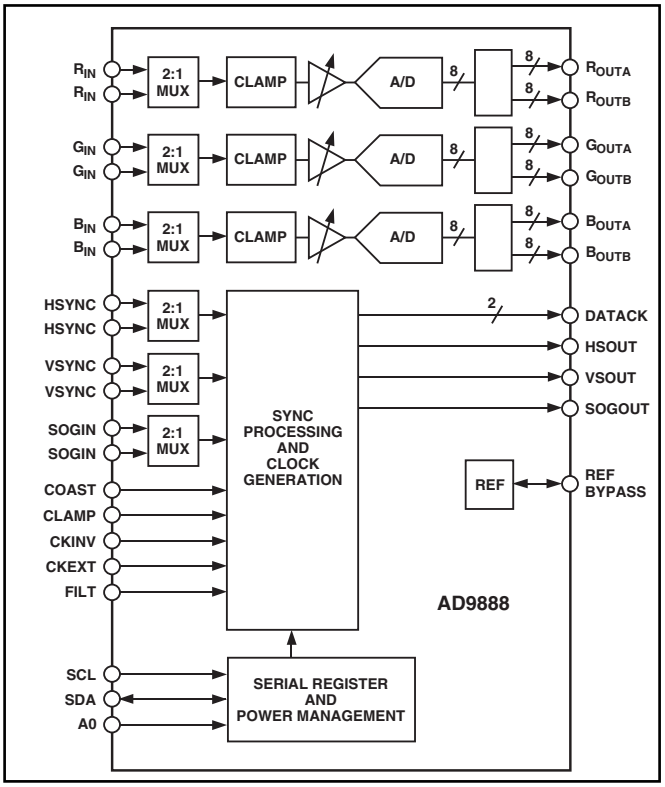
IC Ref. No	Pin	I/O	Signal Name	Function	Note
	4	I	H_SYNC_SW		
Component Board	5	O	D1		
	6	I	P_FAIL_5V/9V1		
IC2081	7	O	D3		
	9	O	MOUSE/CPU_SW		
M62320	10	O	D5		
	11	I	D6		
	12	O	CG_SW		
	14	I	CS2	Slave address setting port_2 (GND)	
	15	I	CS1	Slave address setting port_1 (GND)	
	16	I	CS0	Slave address setting port_0 (GND)	
	4	O	NTSC/PAL		
AV Board	5	O	CV/YC		
	6	O	NR_SW		
IC2141	7	O	SW_4		
	8	O	MSV_SW		
M62398	9	O	G_BLNK_DC		
	14	O	SW_2+3		
	15	O	WB_Hi		
	16	O	B_BLNK_DC		
	17	O	R_BLNK_DC		
	18	O	PAL-M_Hi		
	19	O	PAL-N_Hi		
	22	I	CS2	Slave address setting port_2 (GND)	
	23	I	CS1	Slave address setting port_1 (GND)	
	24	I	CS0	Slave address setting port_0 (GND)	
	4	O	MDD_2		
AV Board	5	O	MDD_1		
	6	O	PNR		
IC2142	7	O	NT/PAL_2		
	9	O	NT/PAL_1		
M62320	10	I	SECAM		
	11	I	P_FAIL_3.3V		
	12	O	S_SW		
	14	I	CS2	Slave address setting port_2 (GND)	
	15	I	CS1	Slave address setting port_1 (GND)	
	16	I	CS0	Slave address setting port_0 (Vdd)	
	4	O	V_SYNC_SW		
D-SUB15 Board	5	I	SYNC_DET		
	6	O	P_FAIL_5V/9V		
IC7172	7	O	D3		
	9	O	MOUSE/CPU_SW2		
M62320	10	O	FILTER_SW		
	11	O	D6		
	12	-			
	14	I	CS2	Slave address setting port_2 (GND)	
	15	I	CS1	Slave address setting port_1 (GND)	
	16	I	CS0	Slave address setting port_0 (GND)	

■ IC Block Diagrams

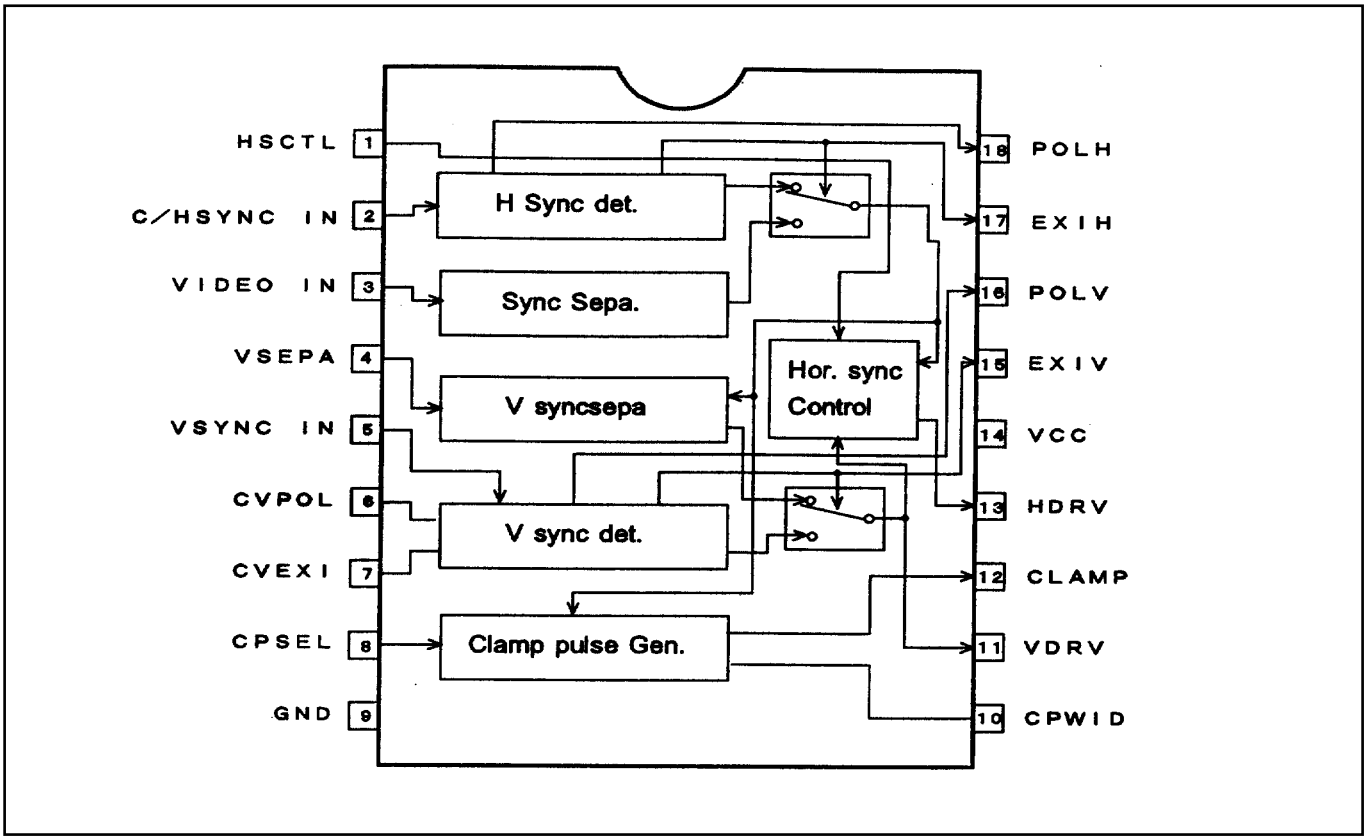
● AD8183ARU <Selector, IC2071>



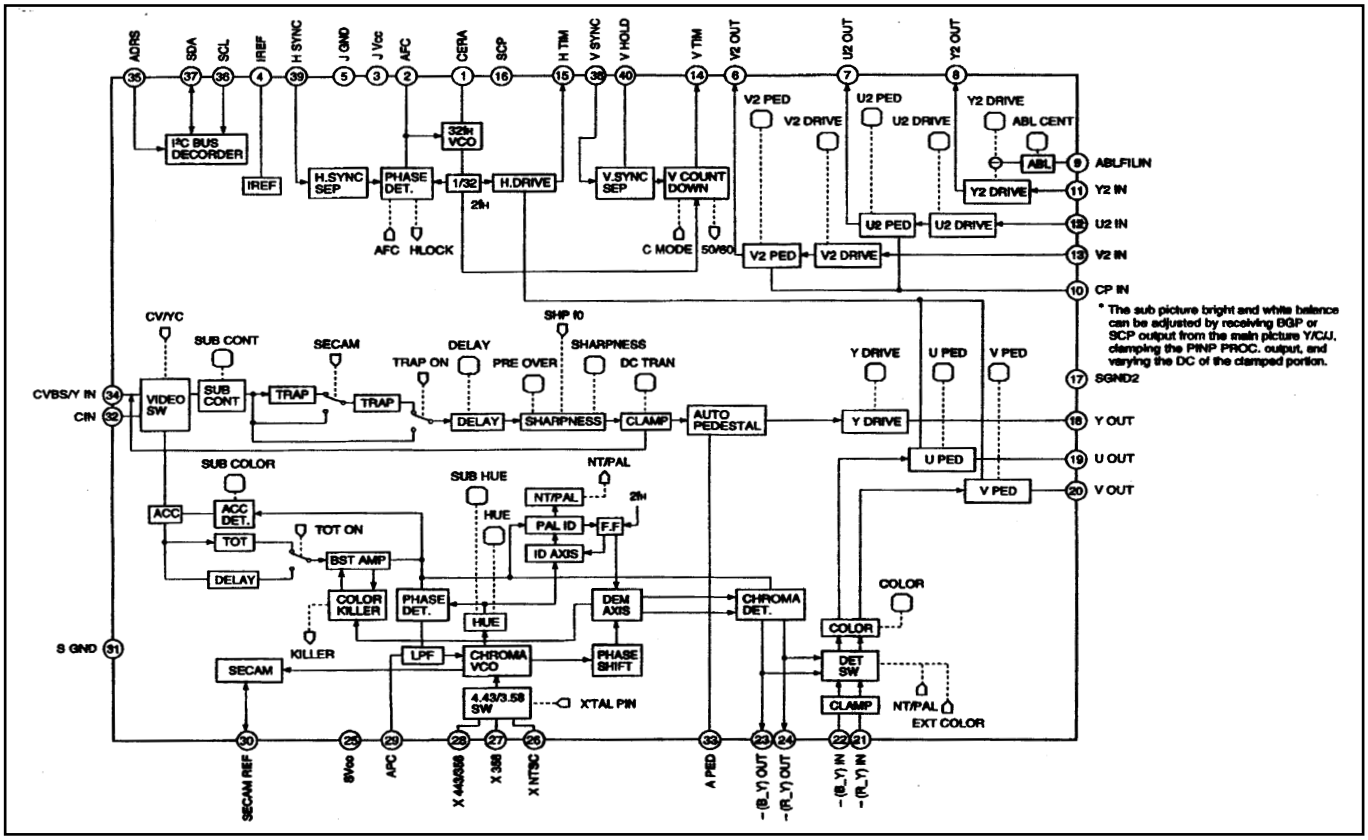
● AD9888KS <Analog Flat Panel Interface, IC2201>



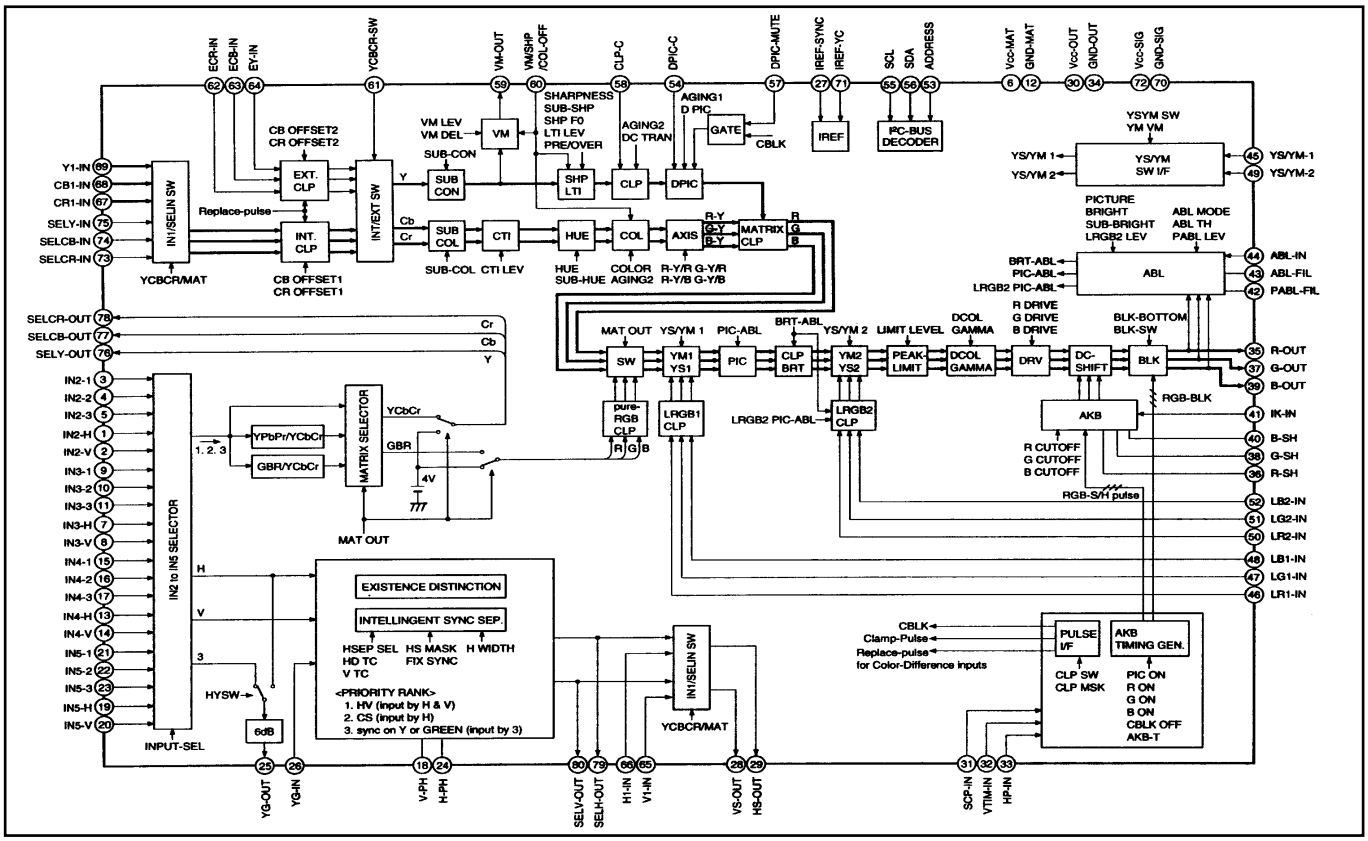
● BA7078AF <Sync Detector, C1051, IC8021>



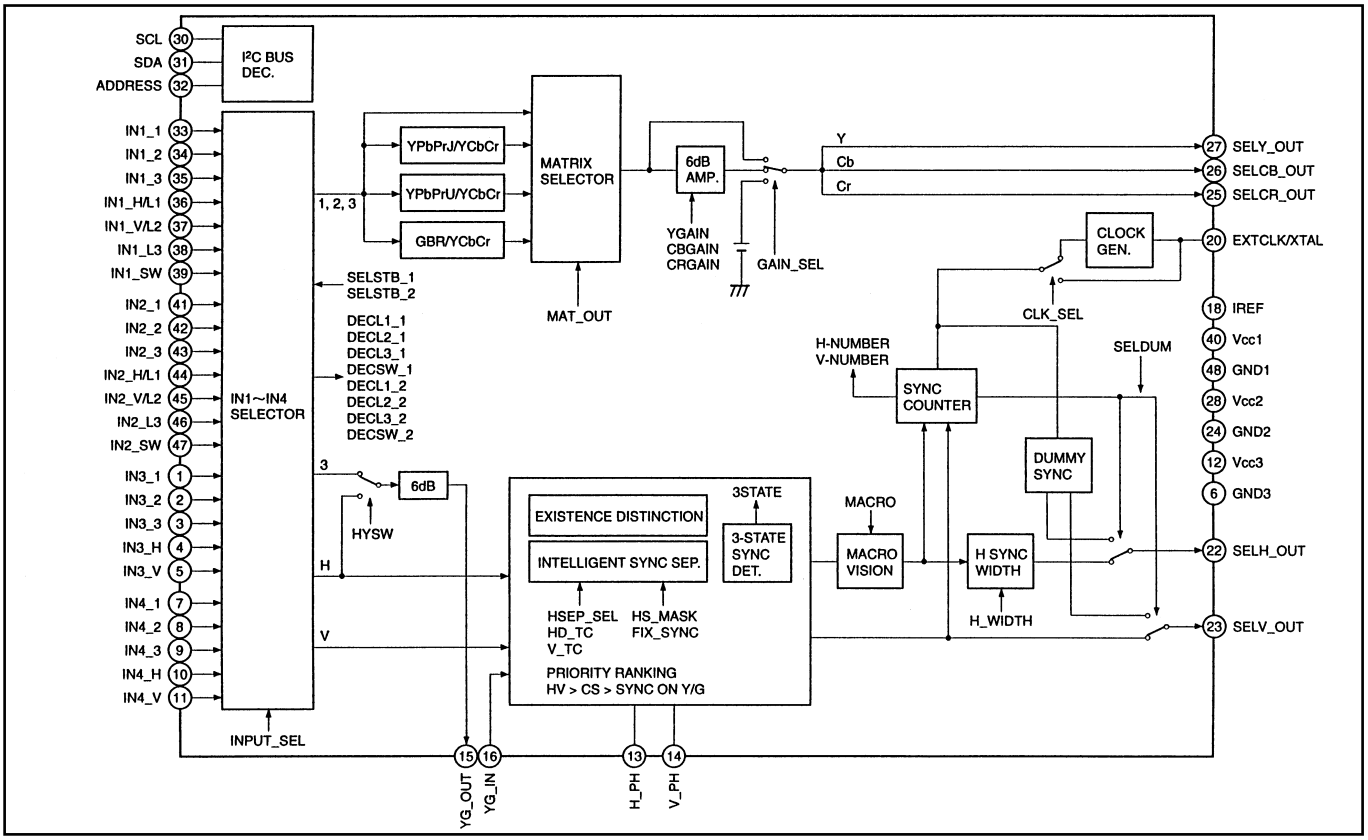
● CXA2019AQ <Video Decoder, IC3141>



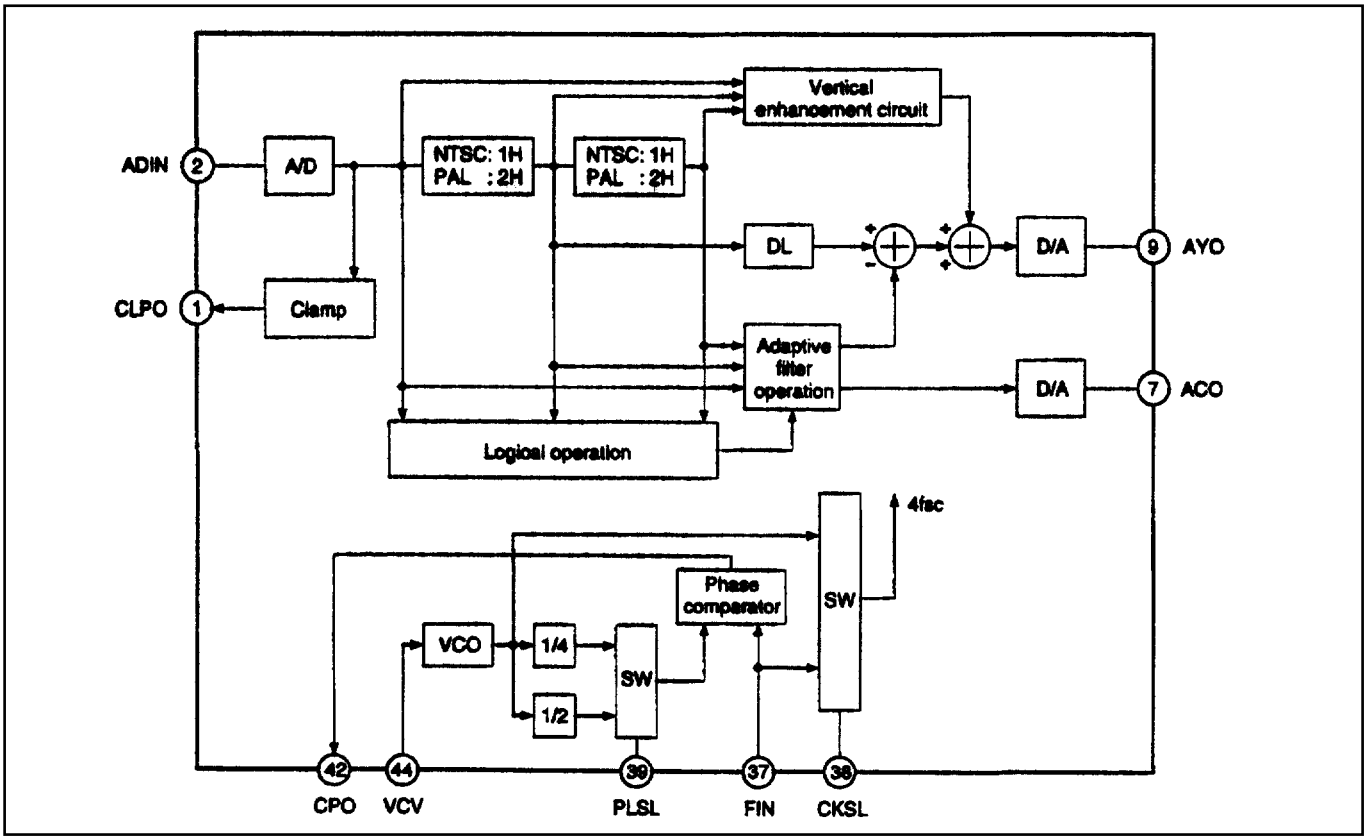
● CXA2101AQ <Multi-Component Processor, IC4101>



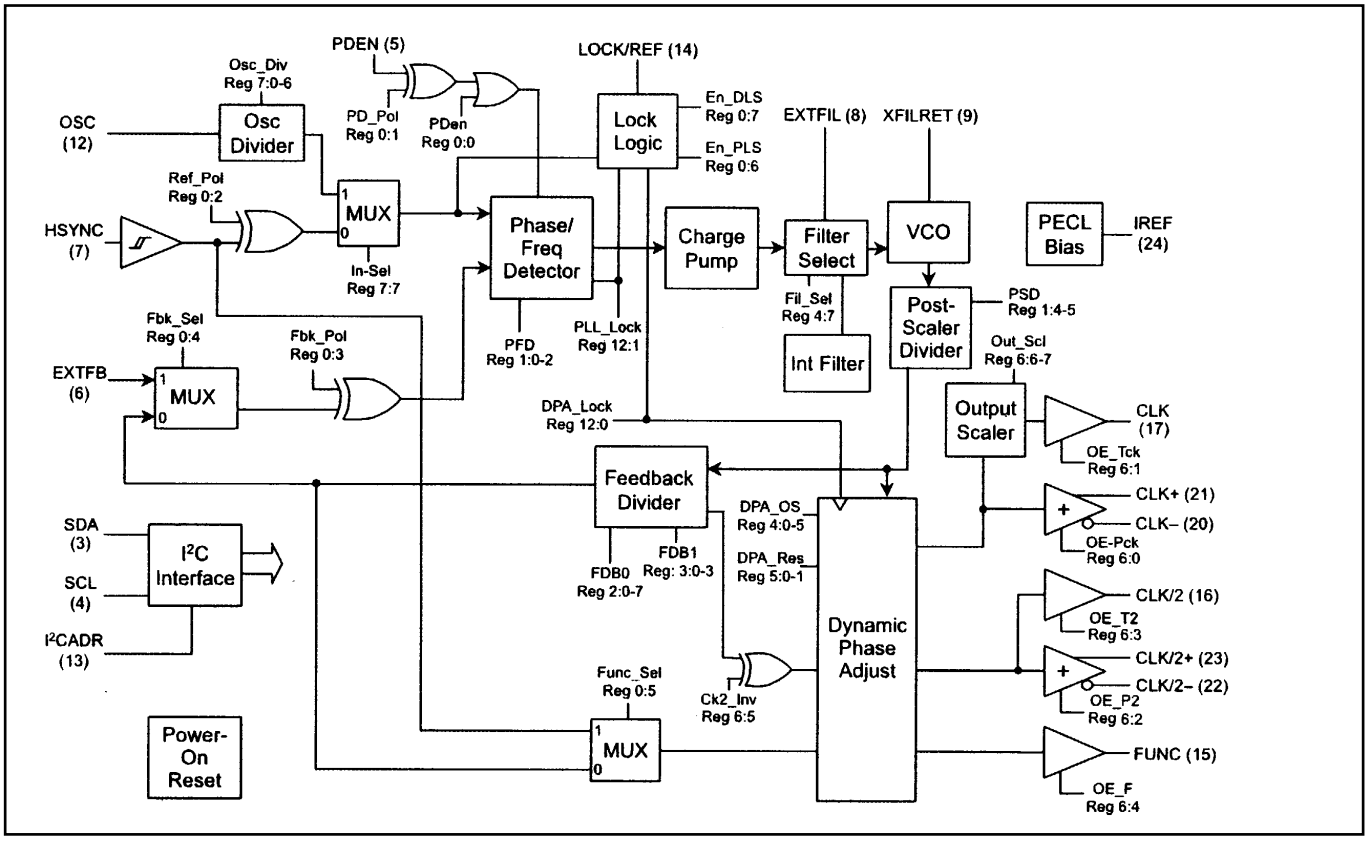
● CXA2151Q <RGB Matrix, IC2261>



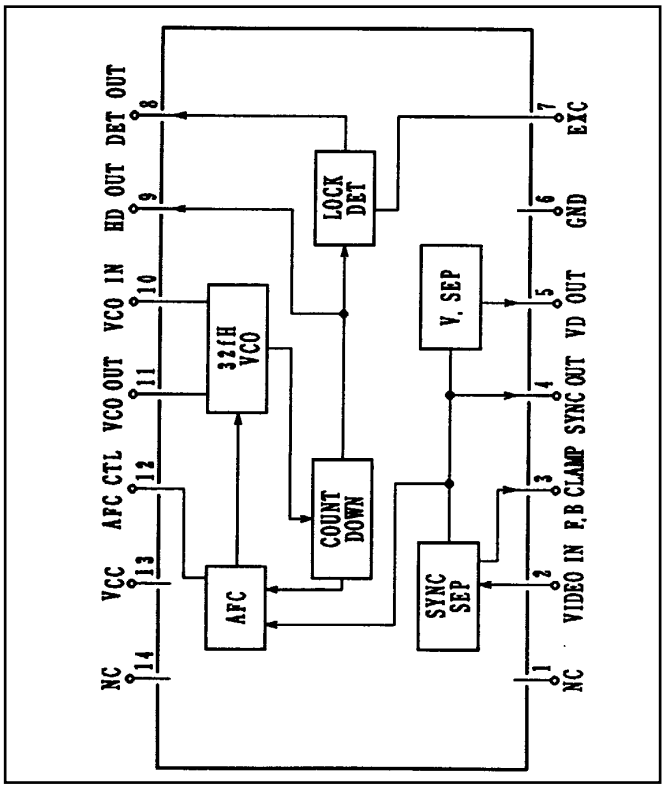
● CXD2064Q <3 Line Y/C Separator, IC2101>



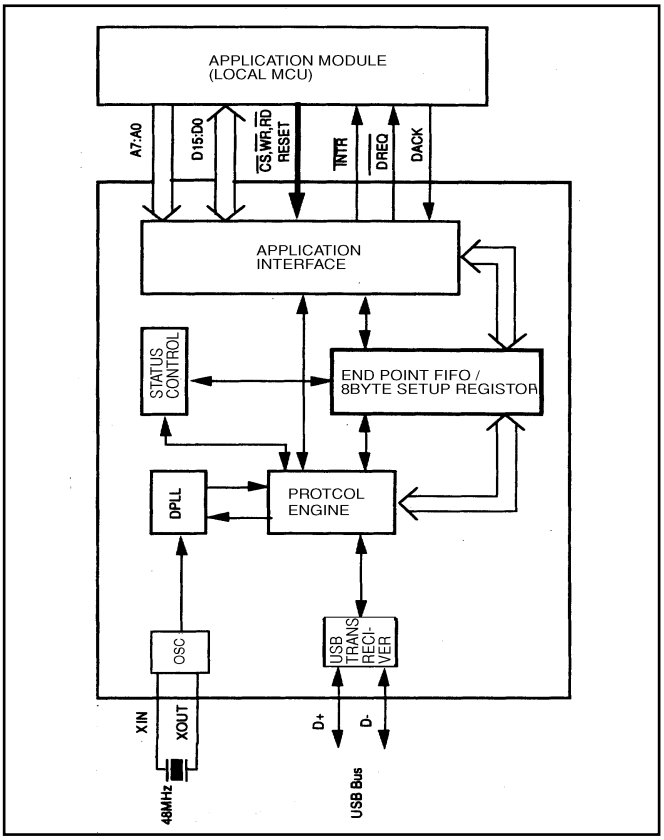
● ICS1523M <Clock Driver, IC4231>



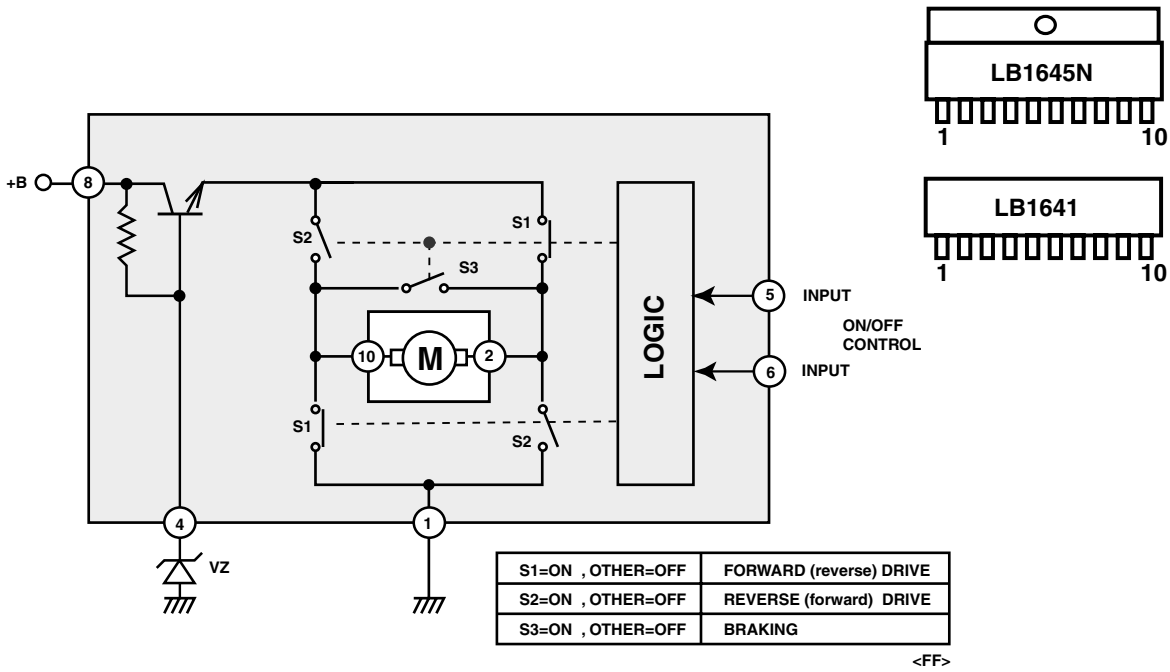
● LA7217 <Sync Separator, IC2051, IC8041>



● ML60851 <USB Interface, IC9801>



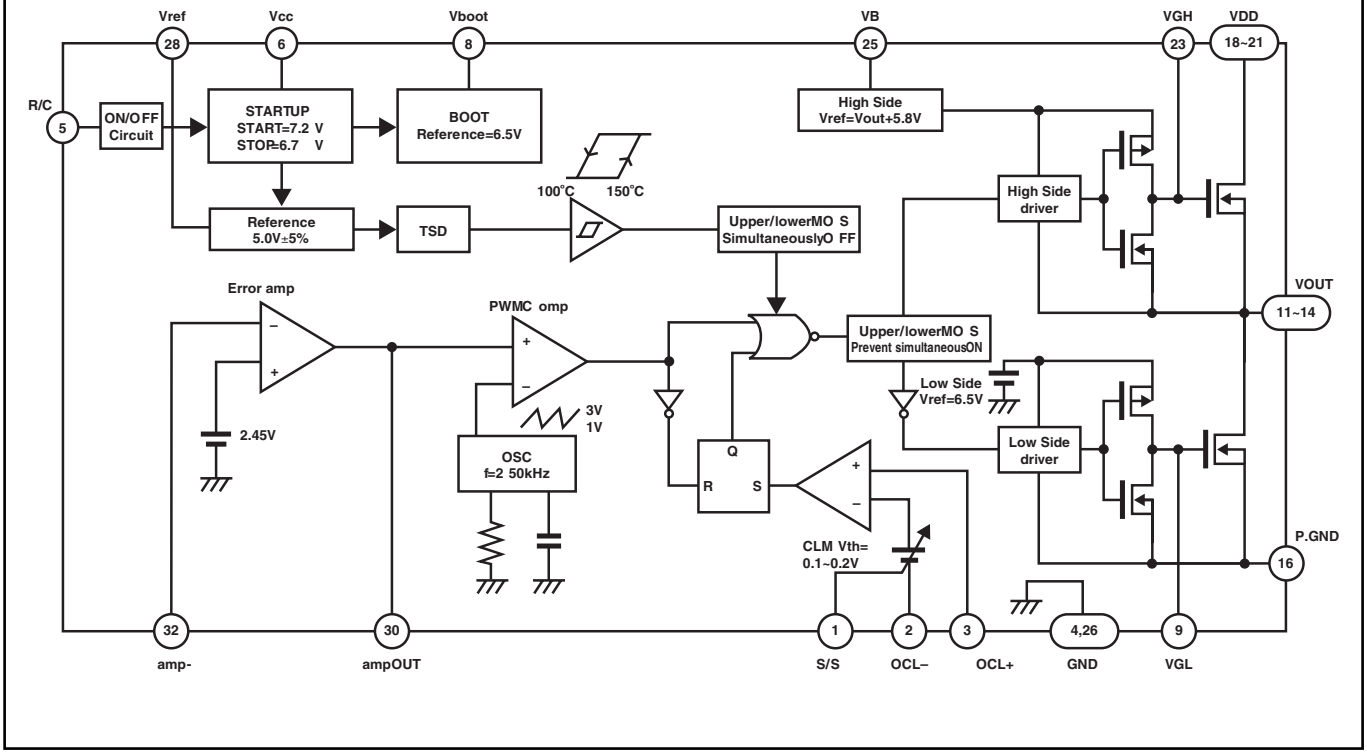
● LB1641 <Motor Driver, IC1601, IC1611>
LB1645N <Motor Driver, IC1621, IC1631>



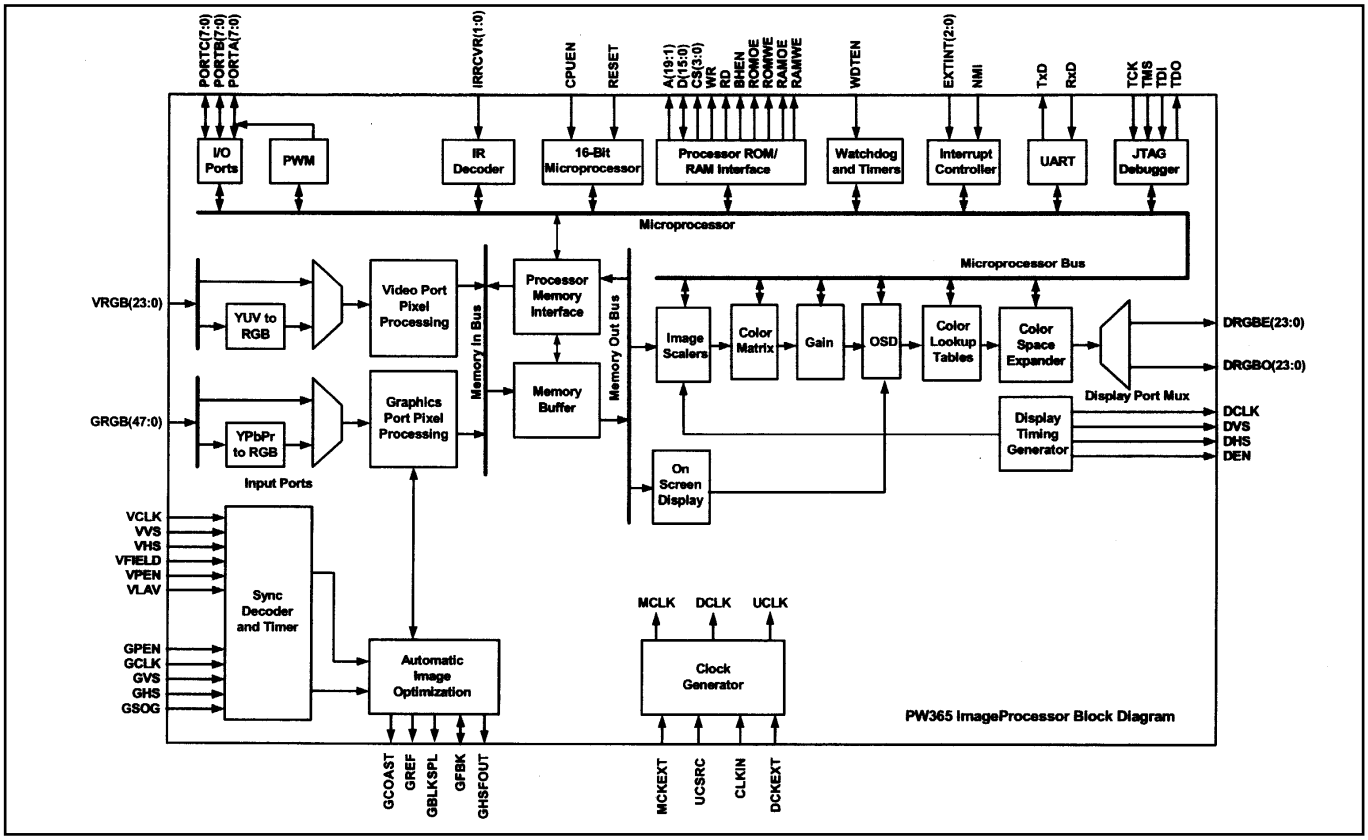
S1=ON , OTHER=OFF	FORWARD (reverse) DRIVE
S2=ON , OTHER=OFF	REVERSE (forward) DRIVE
S3=ON , OTHER=OFF	BRAKING

<FF>

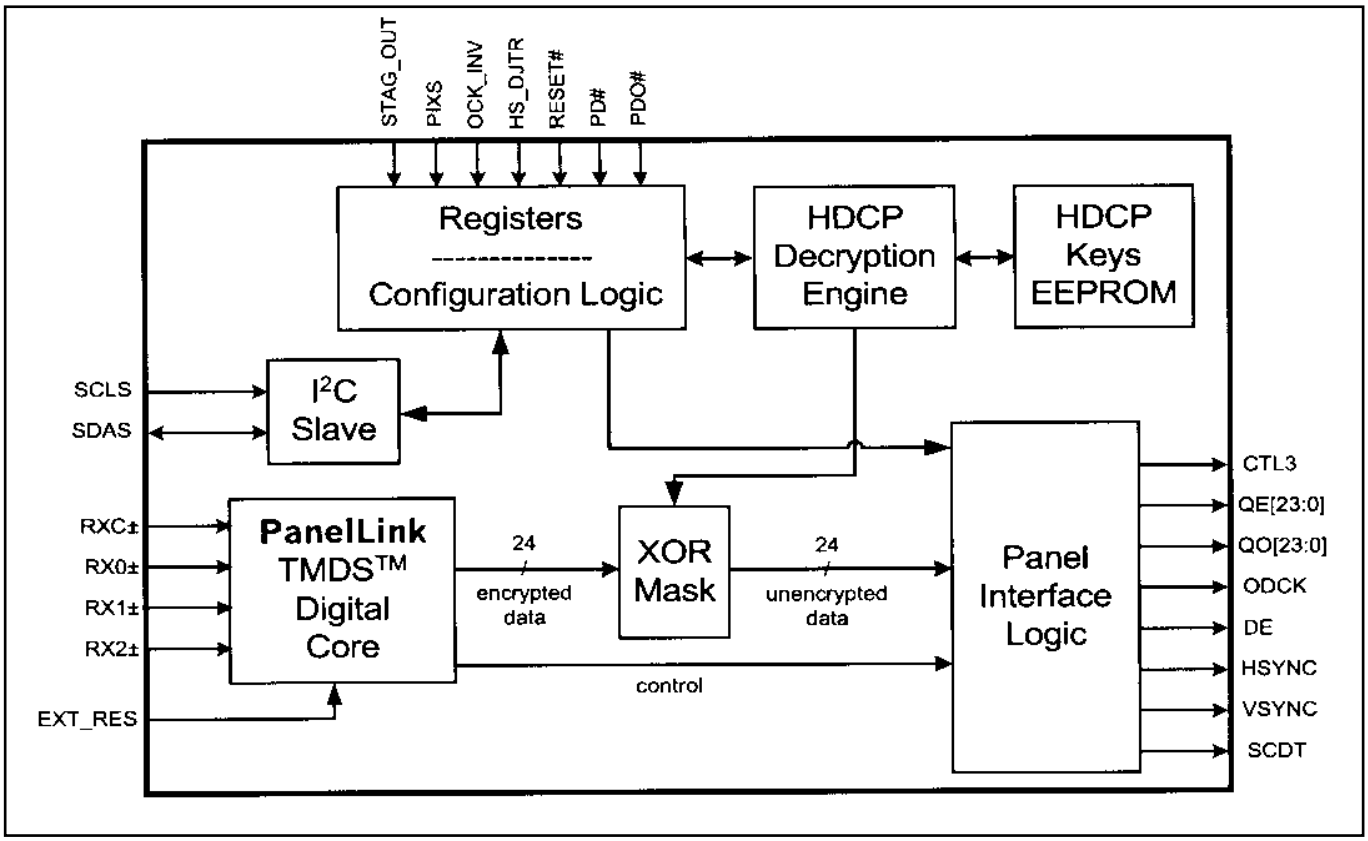
● MD1222N <DC-DC Converter, IC8191>



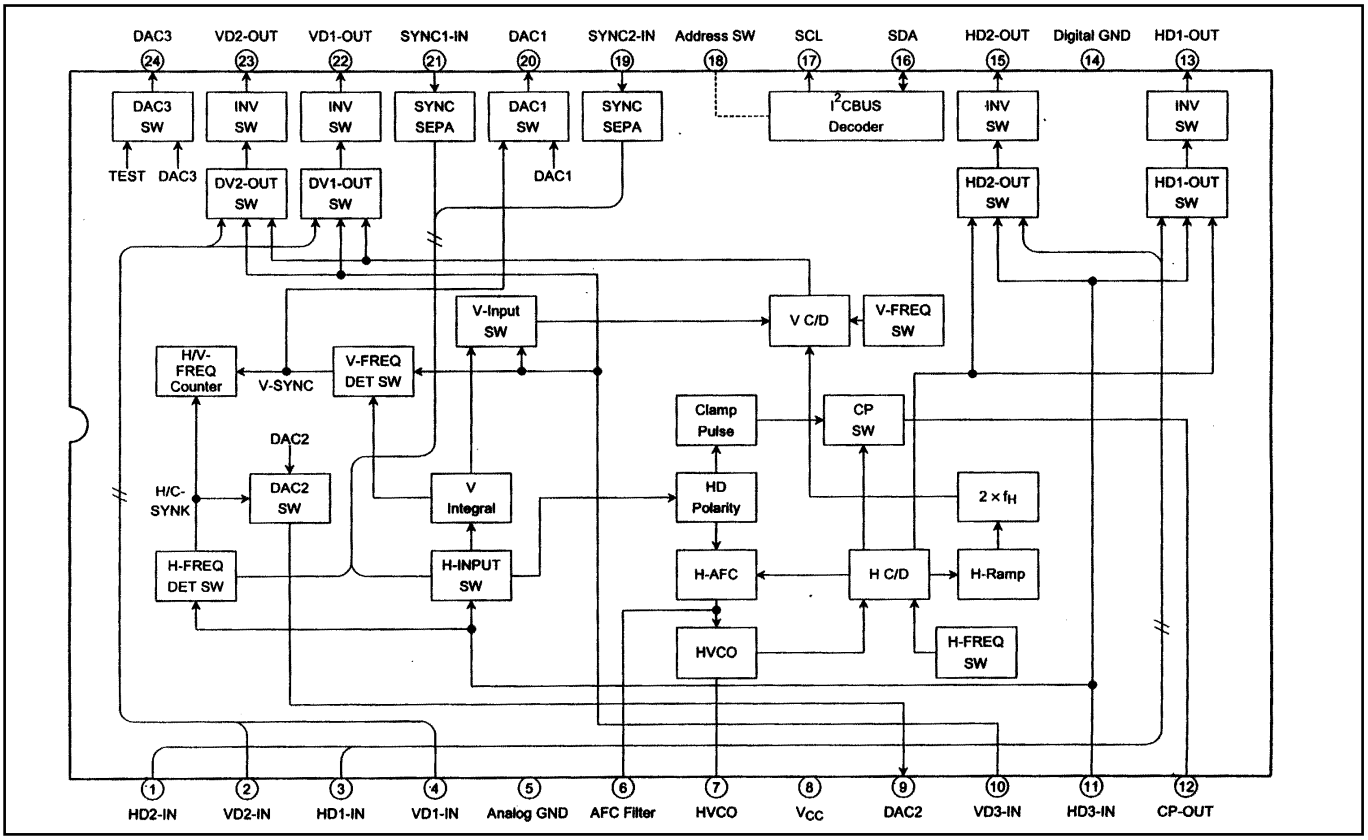
● PW365 <Scan Converter, IC301>



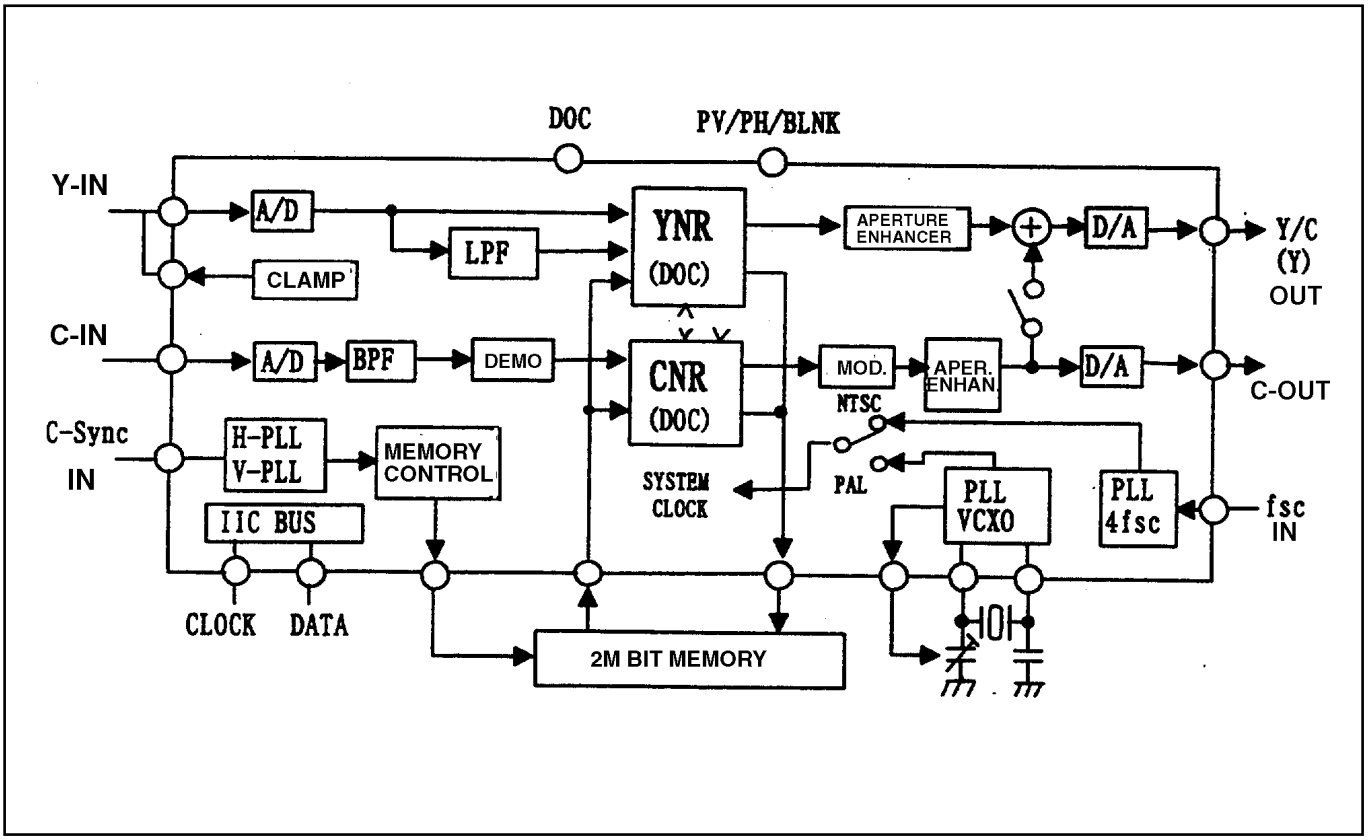
● Sii169ACT <DVI Interface, IC8001>



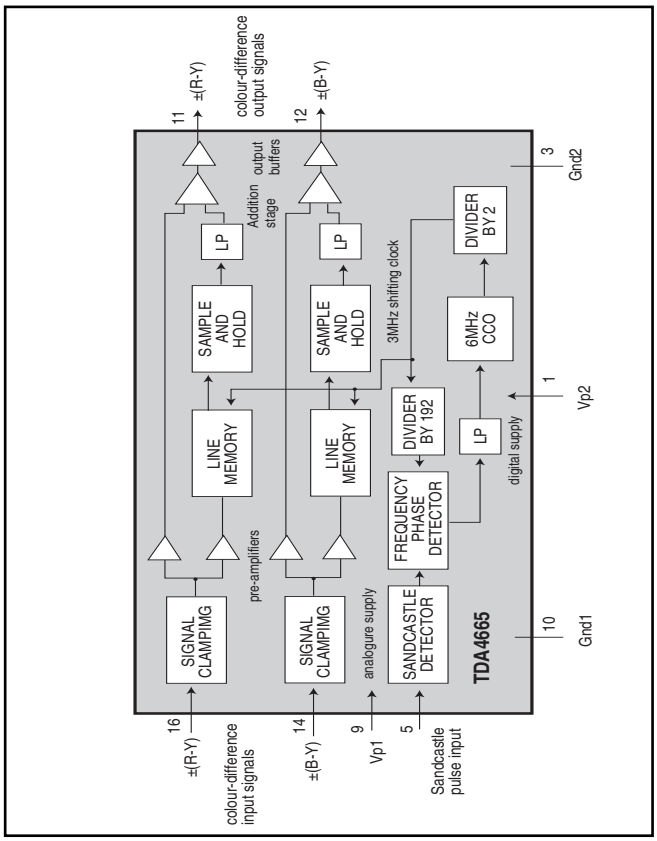
● TA1318N <Sync Separator, Frequency Counter, IC1061>



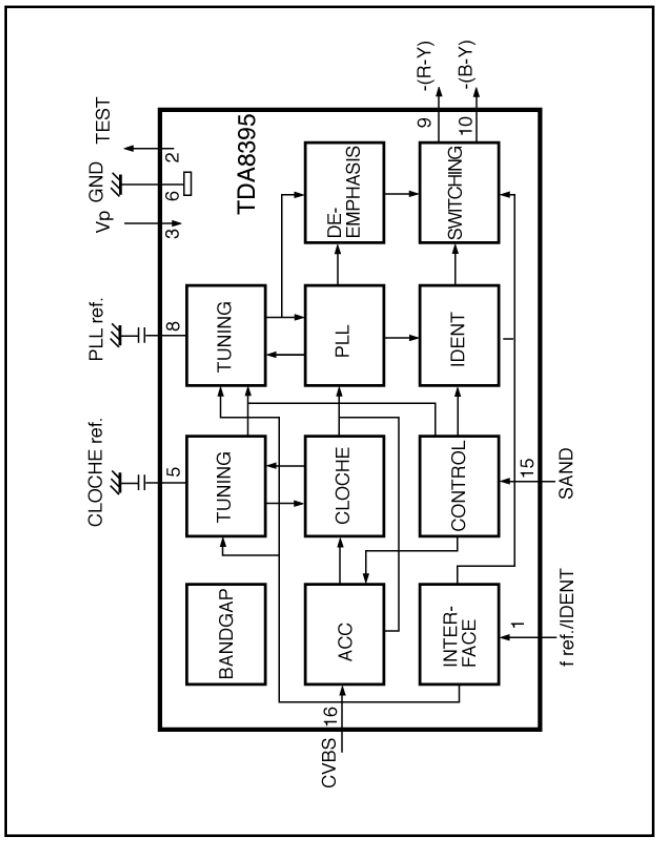
● TC90A11F <3D Noise Reduction, IC5101>



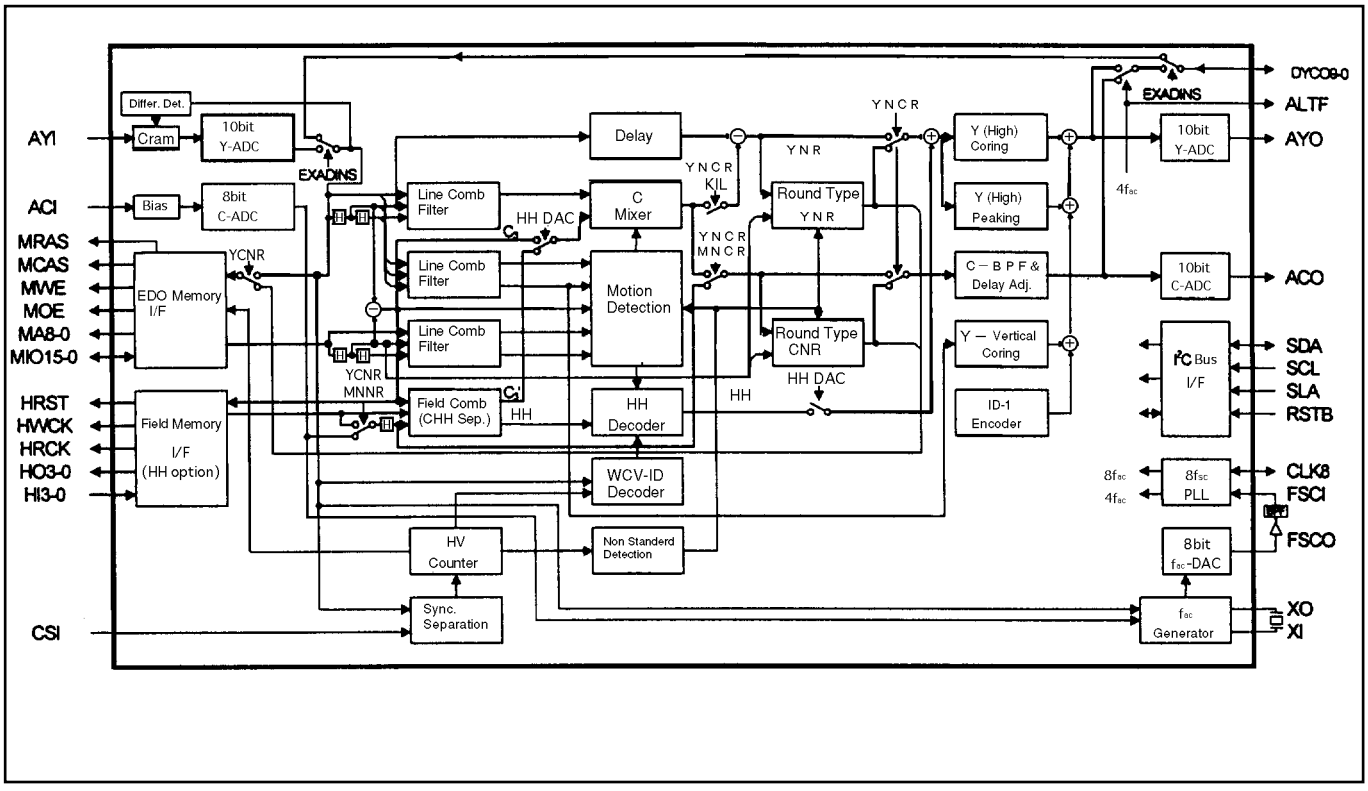
● TDA4665T <PAL SECAM Delay, IC3131>



● TDA8395T <SECAM Decoder, IC3121>



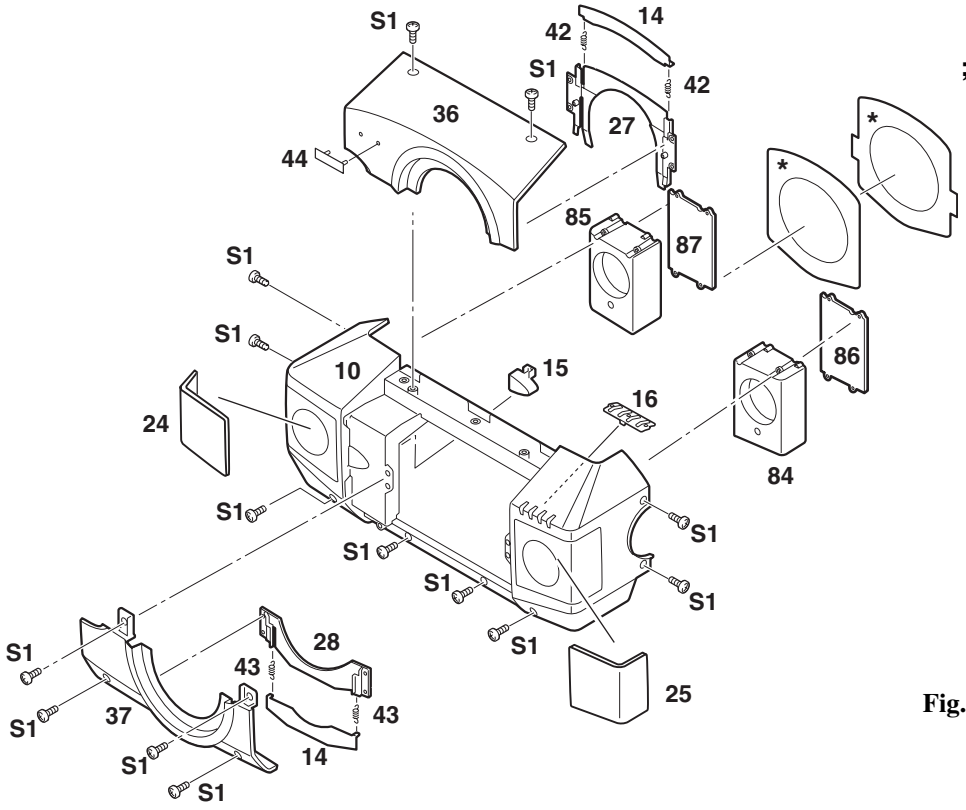
● uPD64082GF <3D Y/C Separator, IC1101>



■ Mechanical and Optical Parts List

Note:

Part order must contain **Model No.**, **Chassis No.**, **Optical Unit Type-R or L**, **Part No.**, and **descriptions**.
Give complete “Chassis No." for parts order or servicing, it is shown on the rating sheet on the cabinet back of the LCD projector.



; Refer to lens instruction manual.

Fig.81

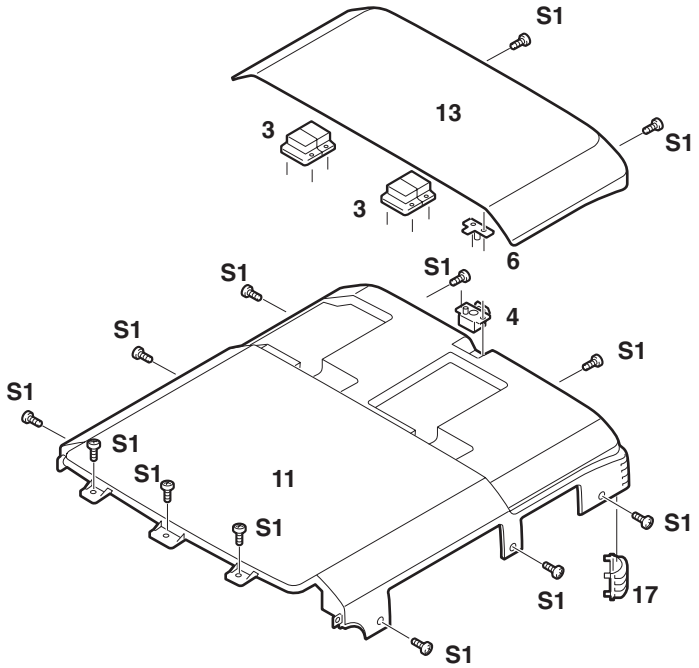


Fig.82

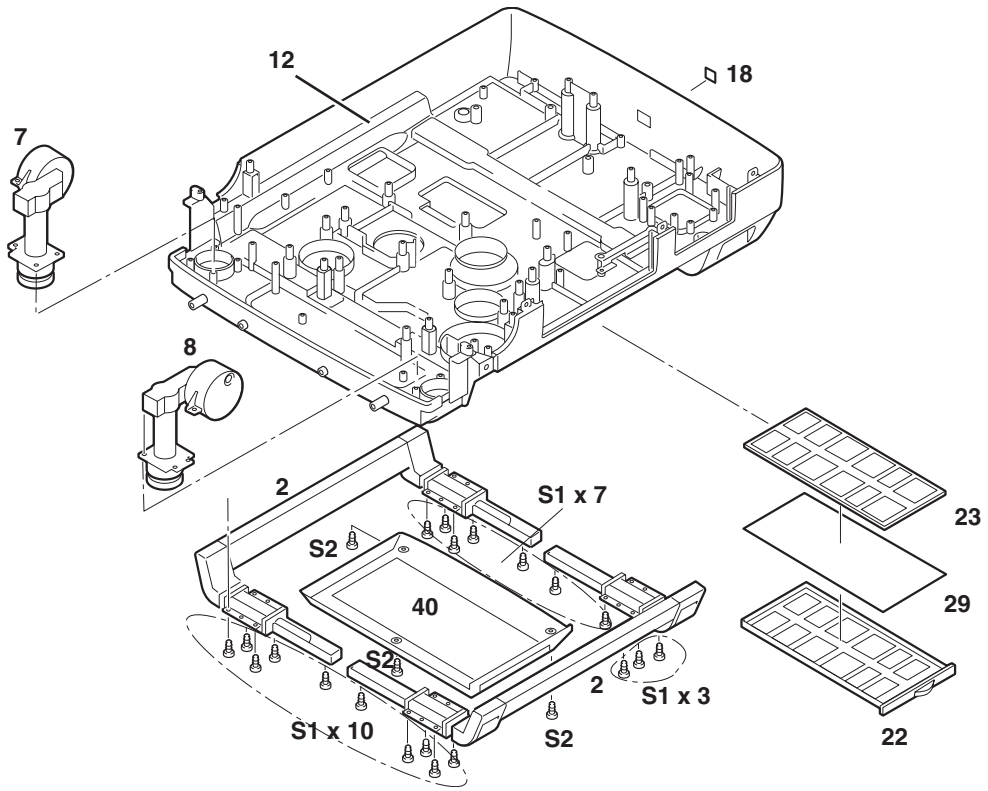

12
18
7
8
2
S1 x 7
S2
40
S2
2
S1 x 3
S1 x 10
S2
23
29
22

Fig.83

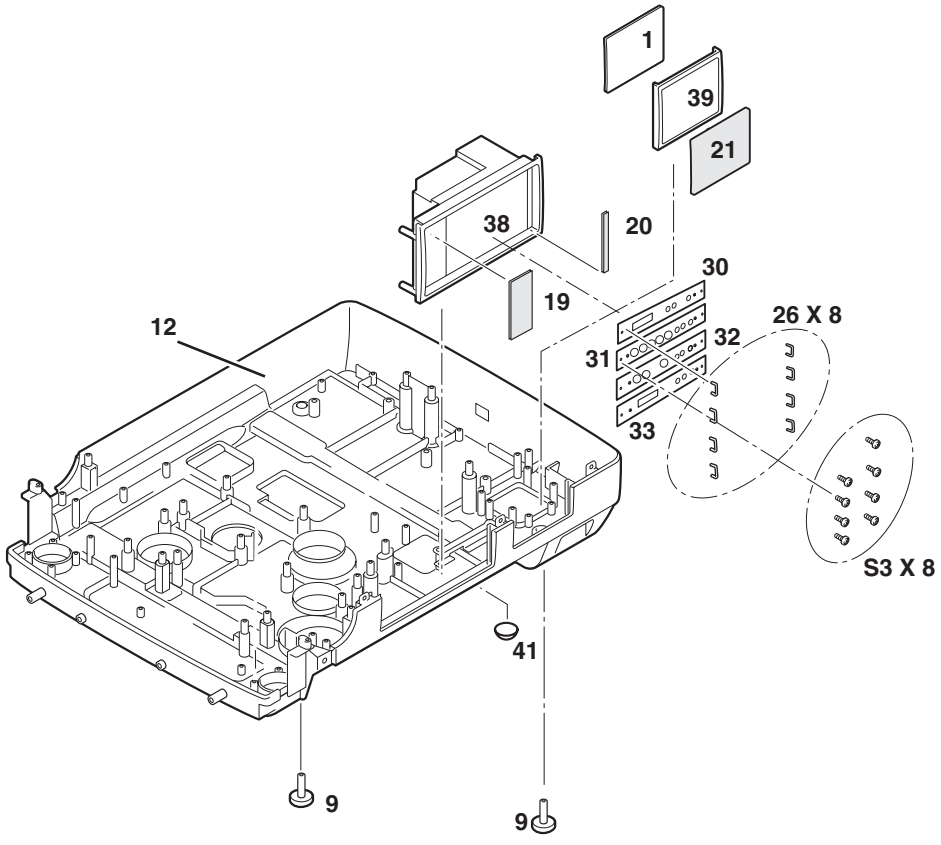

1
39
21
38
20
30
19
26 X 8
12
32
31
33
S3 X 8
41
9
9

Fig.84

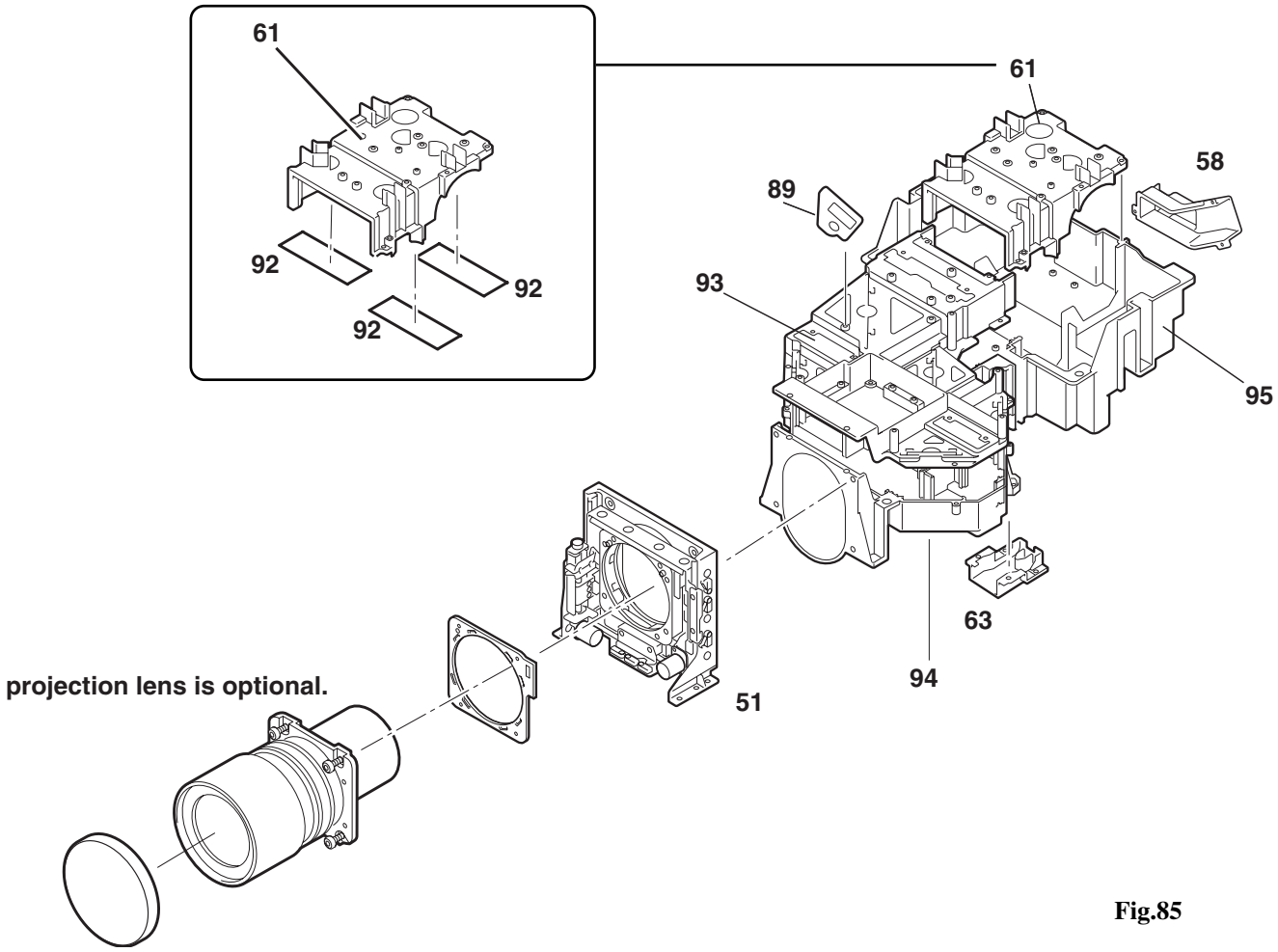

61
92
92
92
61
58
89
93
95
63
94
51
projection lens is optional.

Fig.85

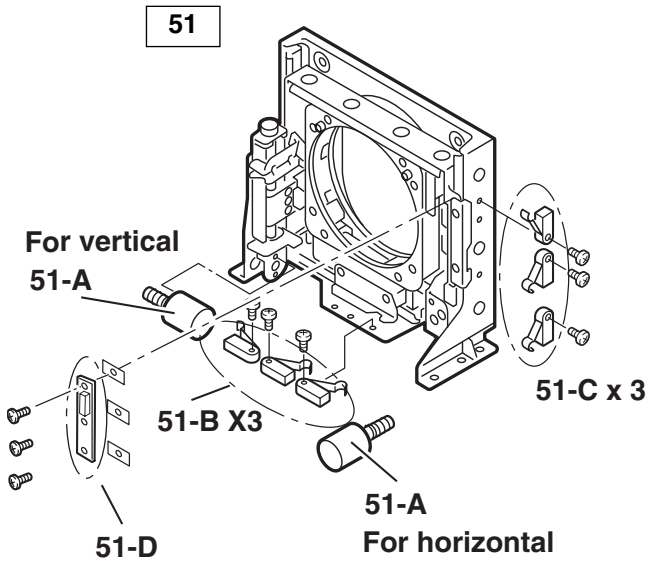

51
For vertical
51-A
51-C x 3
51-B X3
51-A
For horizontal
51-D

Fig.86

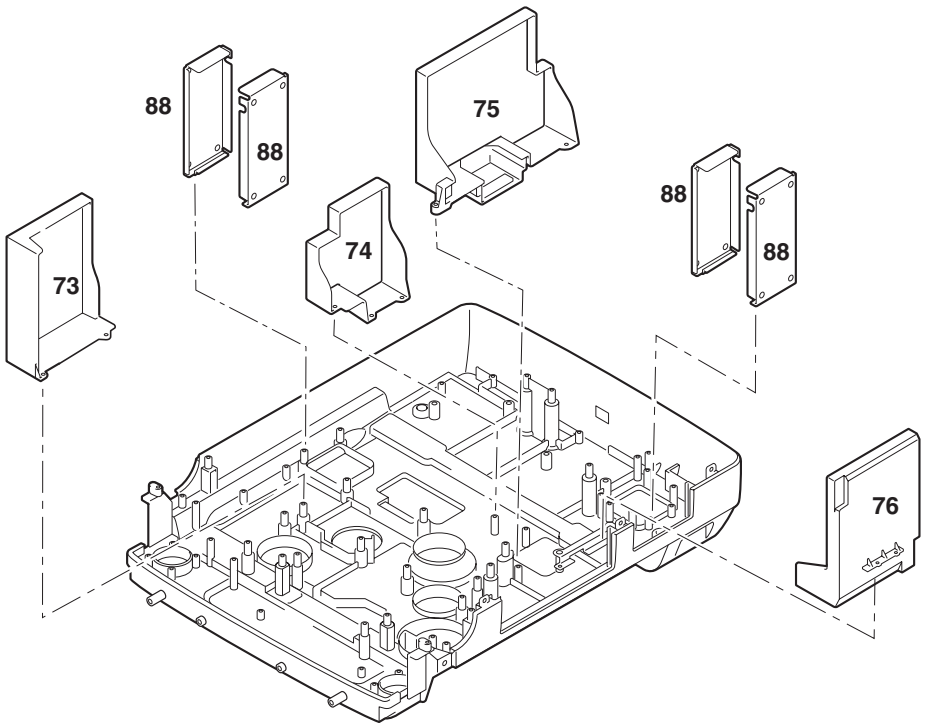


Fig.89

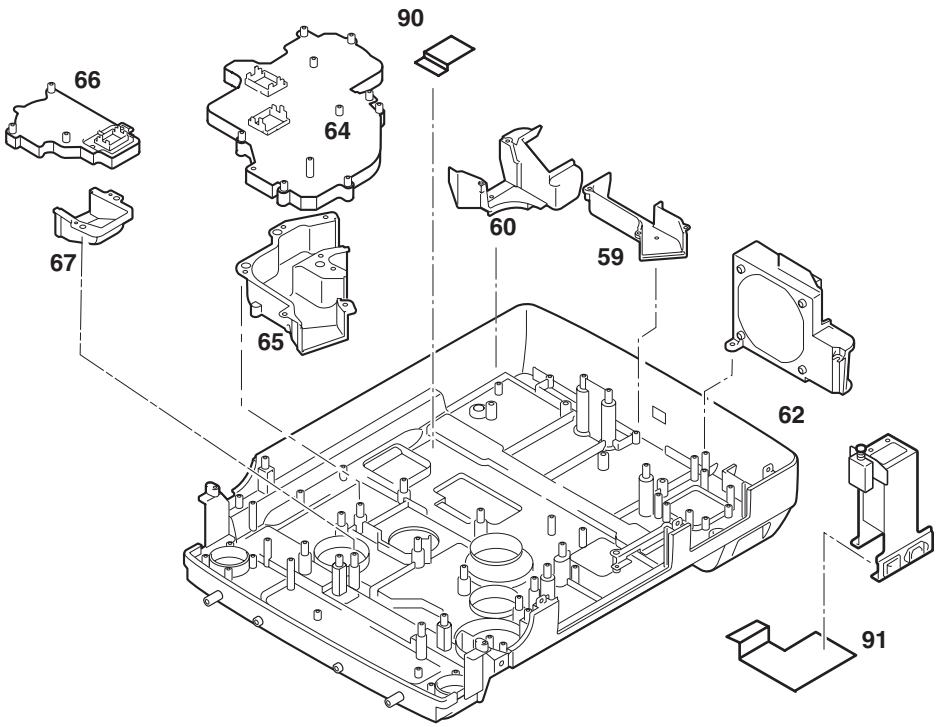
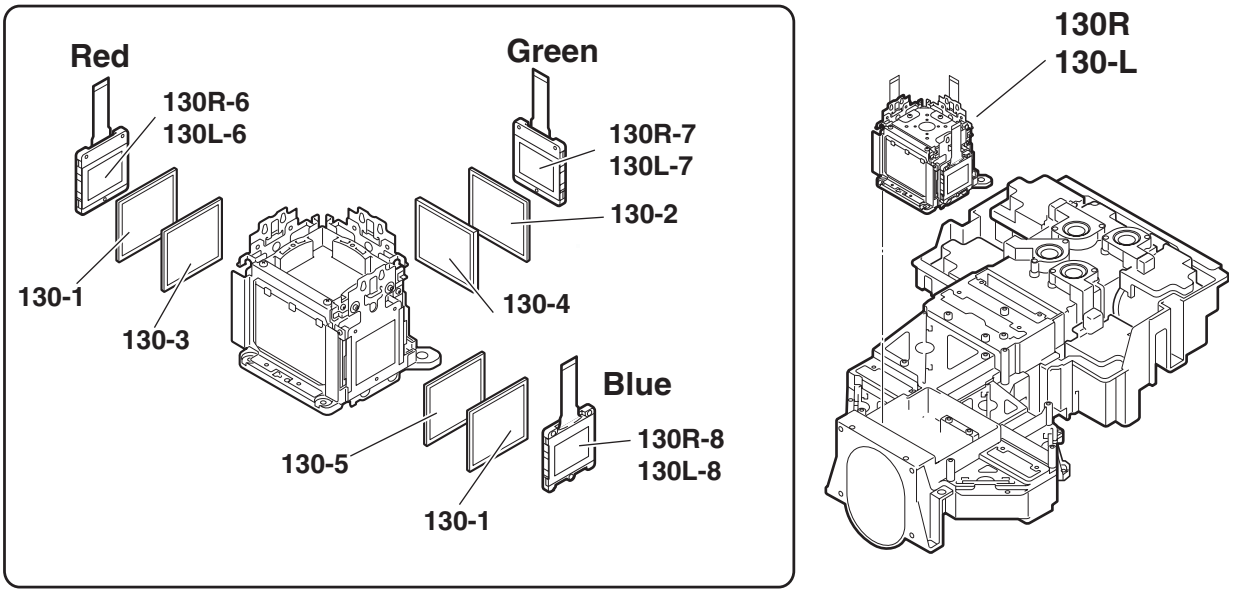
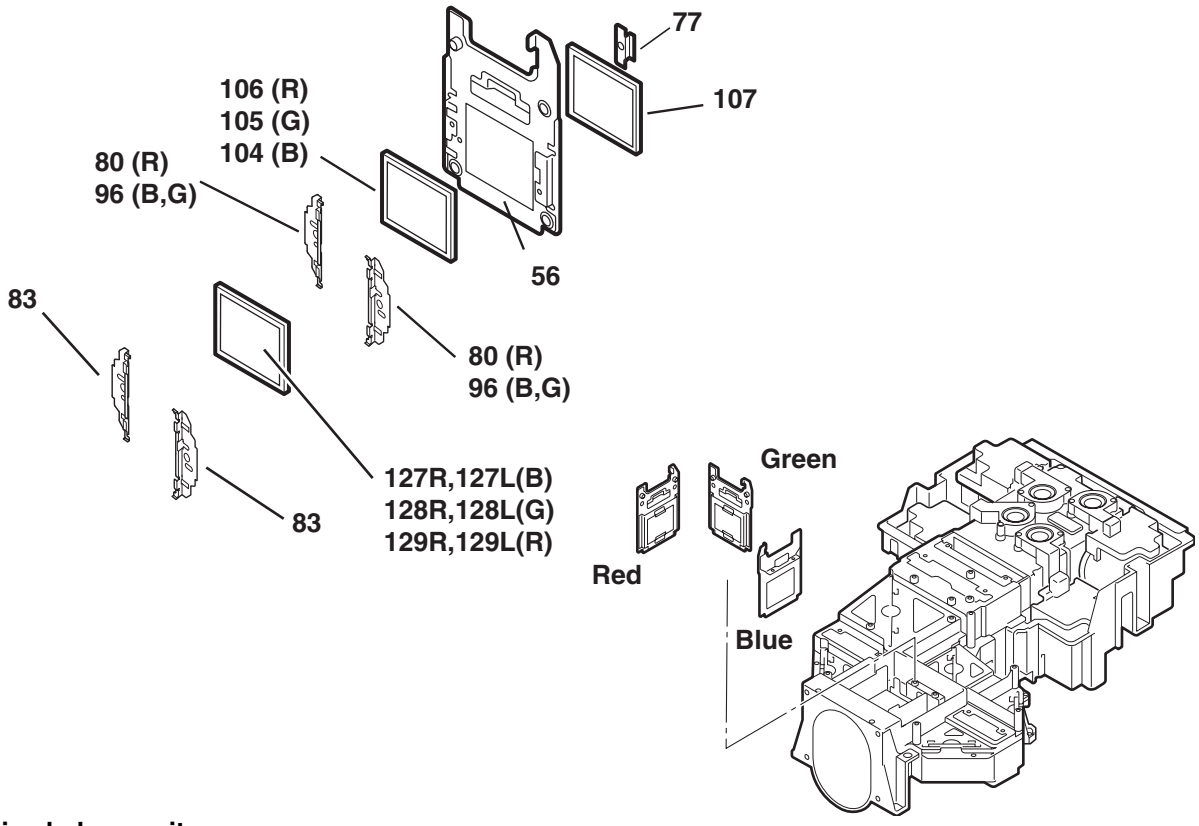


Fig.90



Prism/LCD Panel unit

Fig.91



Polarized glass units
(Red, Green, Blue)

Fig.92

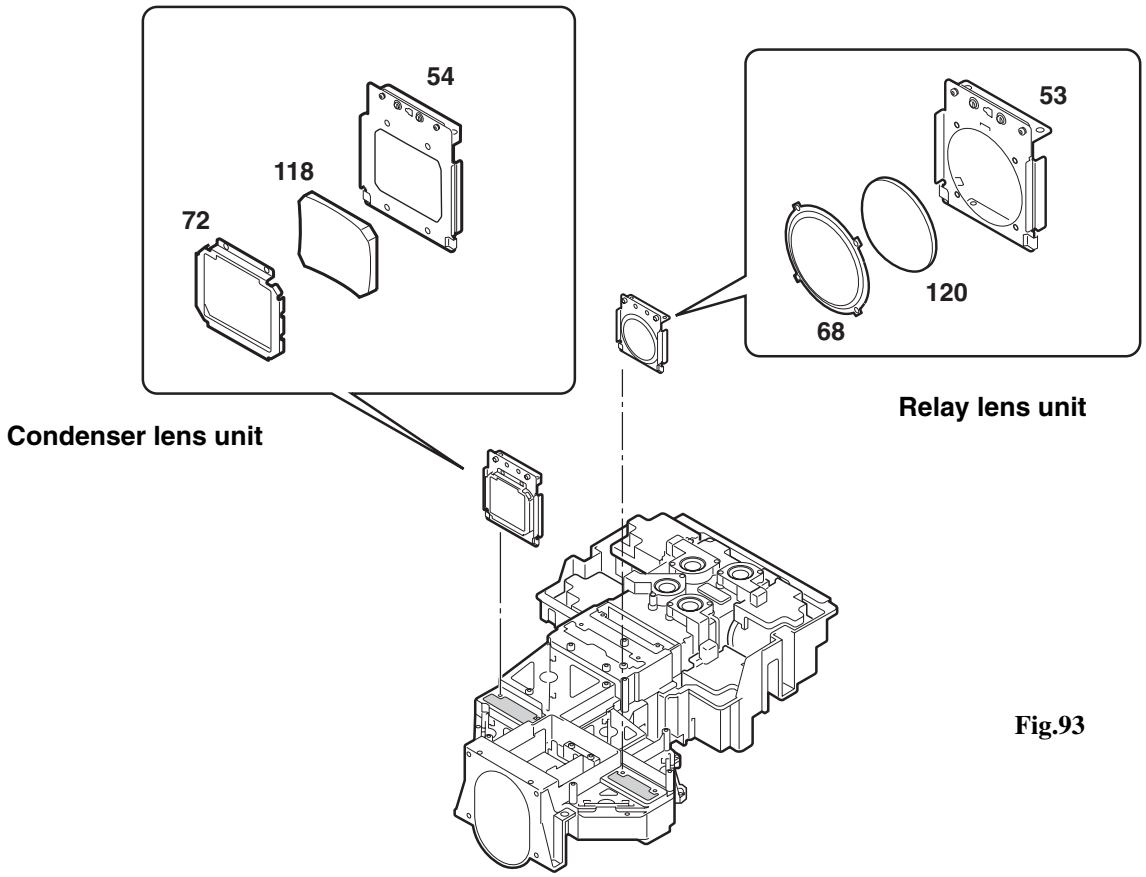

54
118
72
53
120
68
Condenser lens unit
Relay lens unit

Fig.93

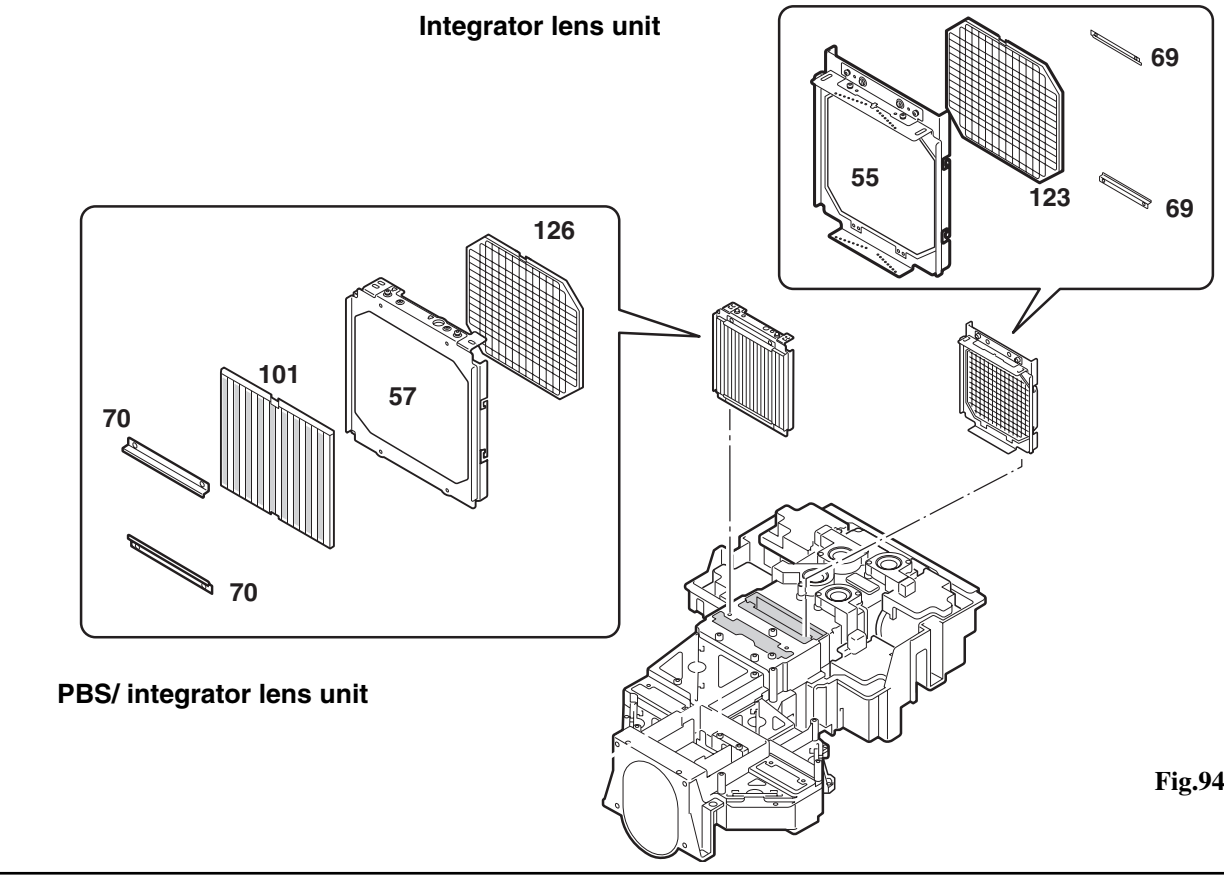
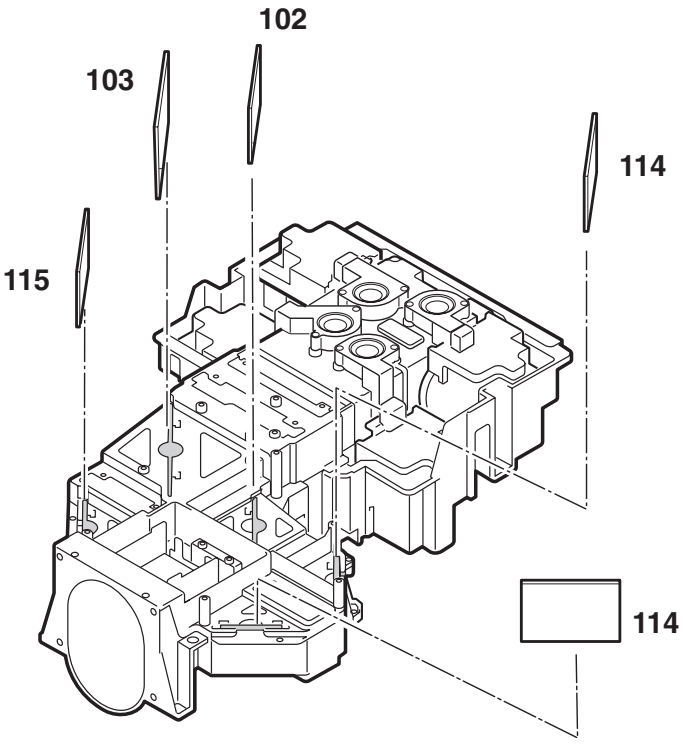

Integrator lens unit
69
55
123
69
126
101
57
70
70
PBS/ integrator lens unit

Fig.94



Mirrors

Fig.95

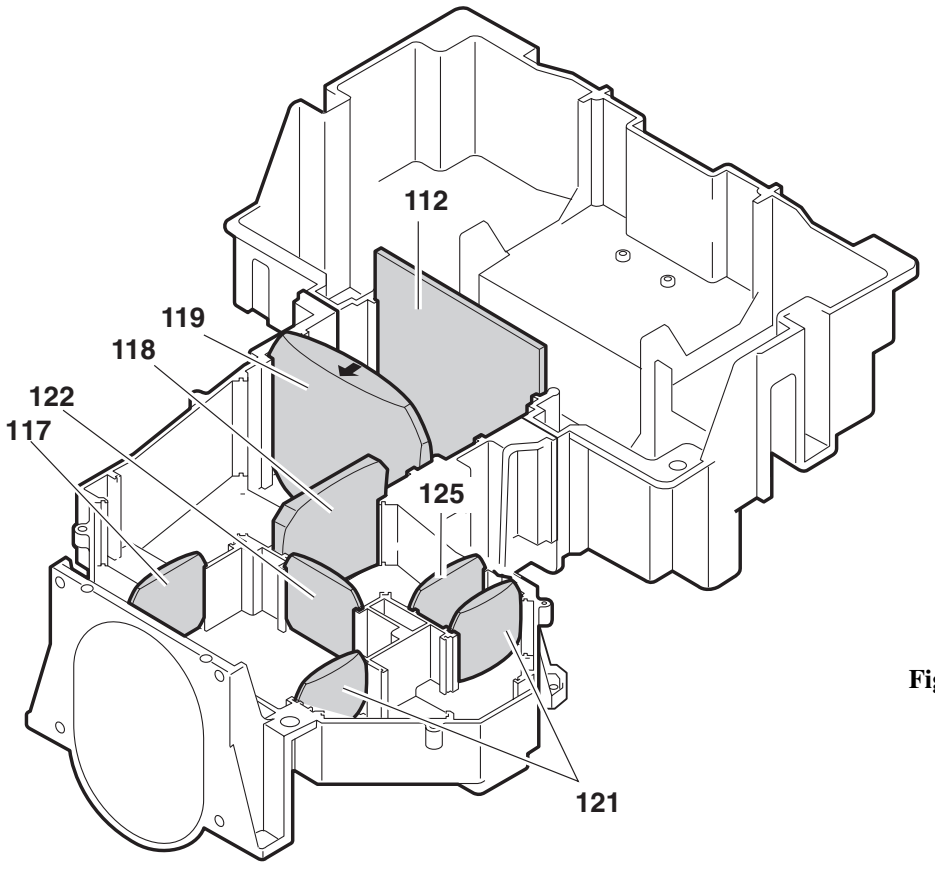


Fig.96

Lenses

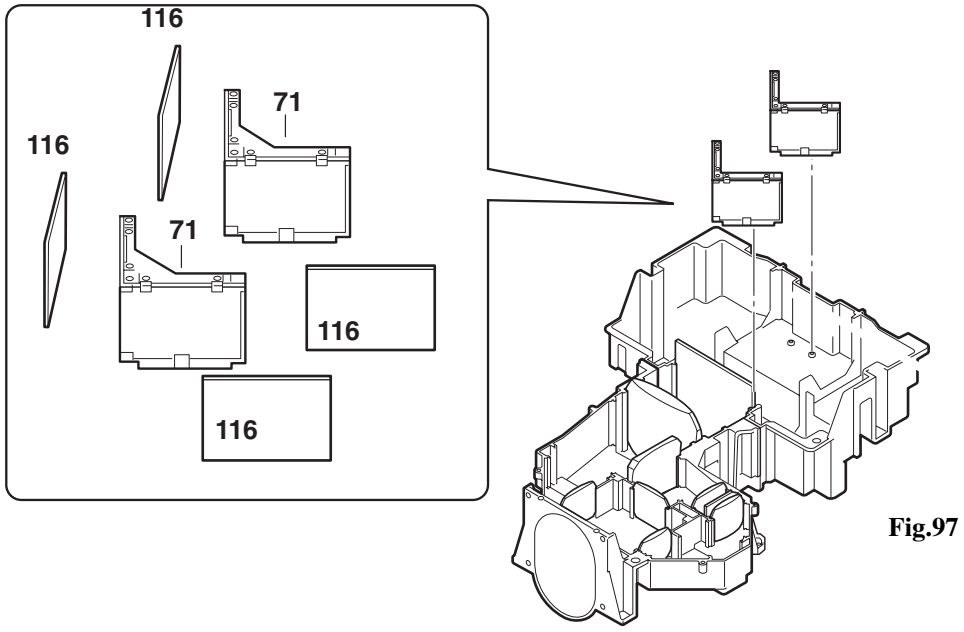
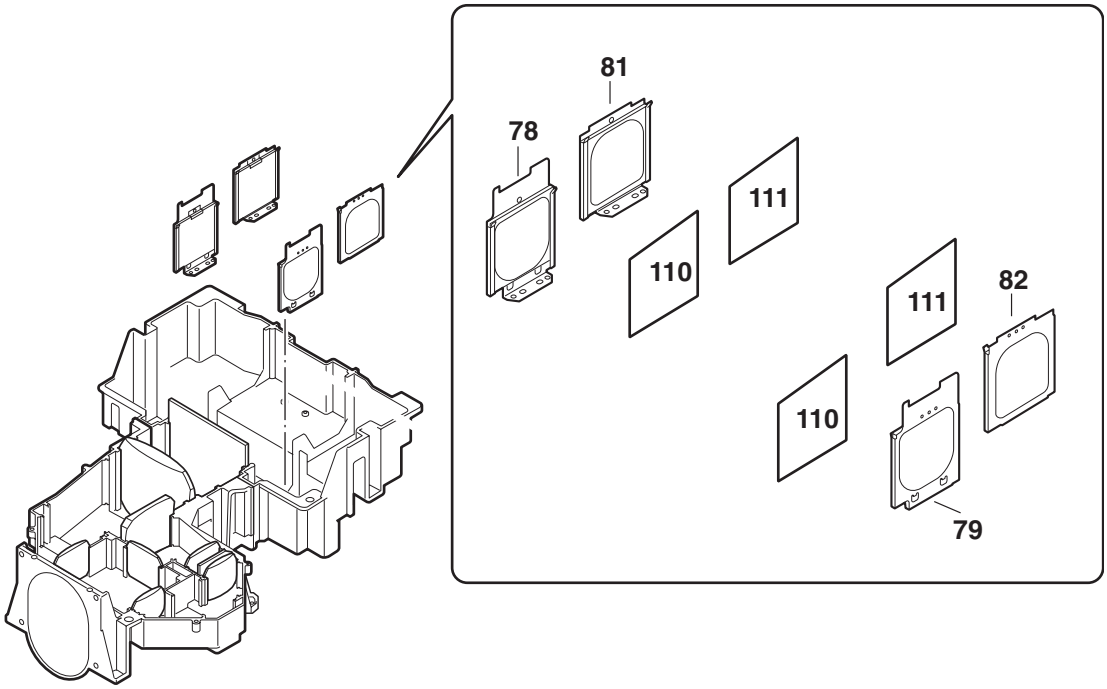


Fig.97

MIrrors



Optical filters

Fig.98

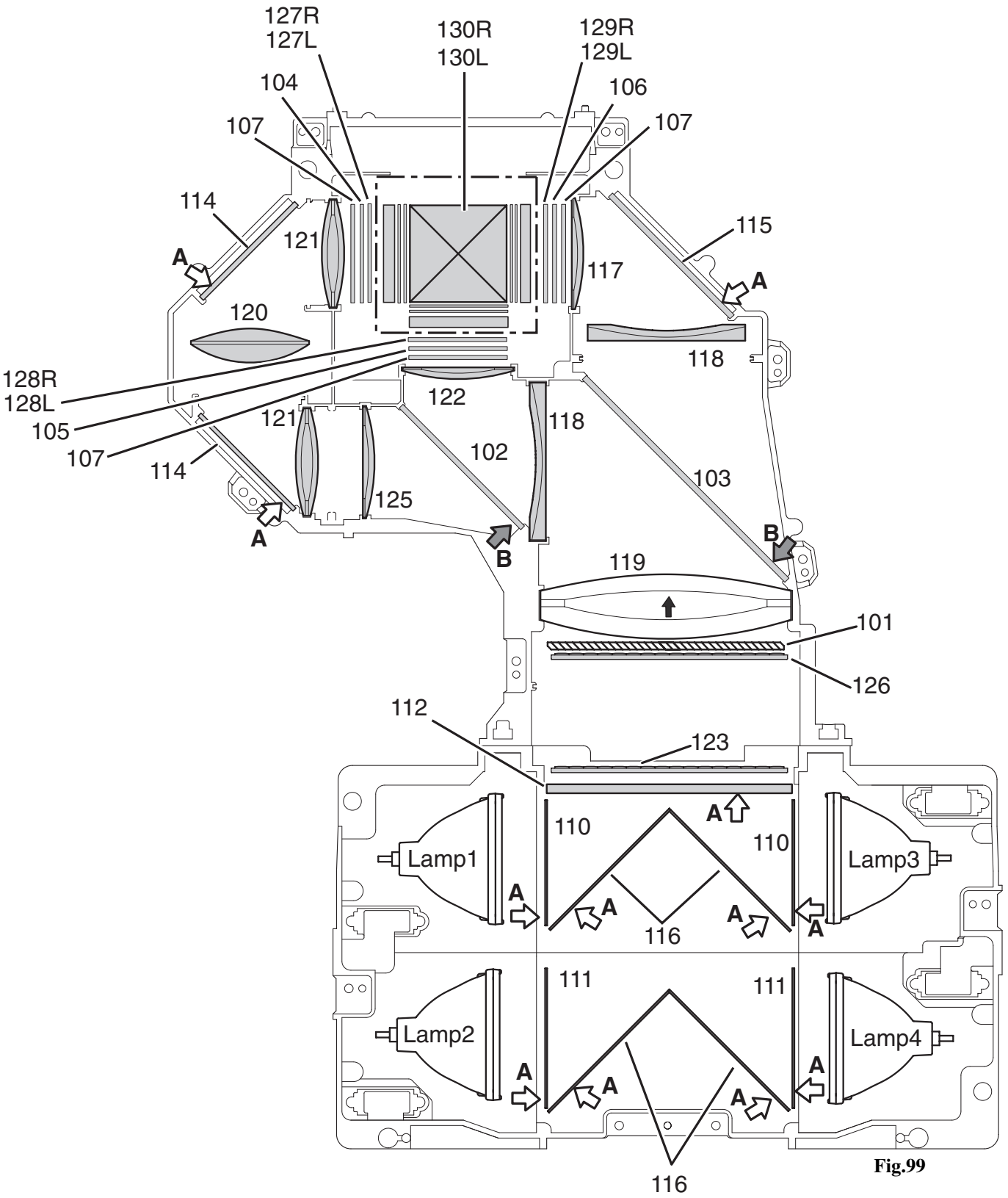
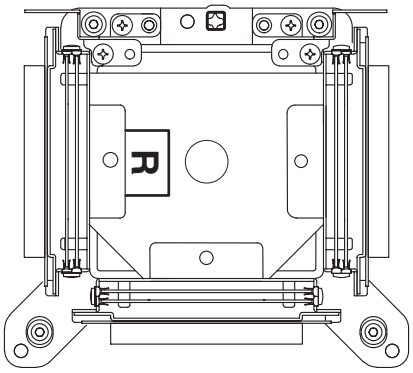
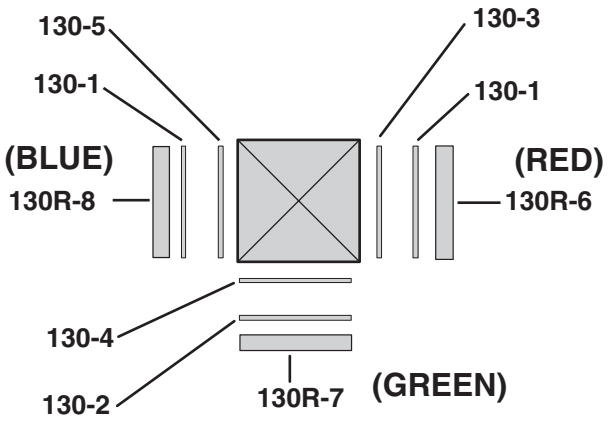

127R
127L
130R
130L
129R
129L
104
106
107
107
114
115
121
117
A
A
120
118
128R
128L
105
107
122
121
118
102
103
114
125
A
B
B
119
101
126
112
123
A
110
110
Lamp1
Lamp3
A
A
A
A
116
111
111
Lamp2
Lamp4
A
A
A
A
116

Fig.99

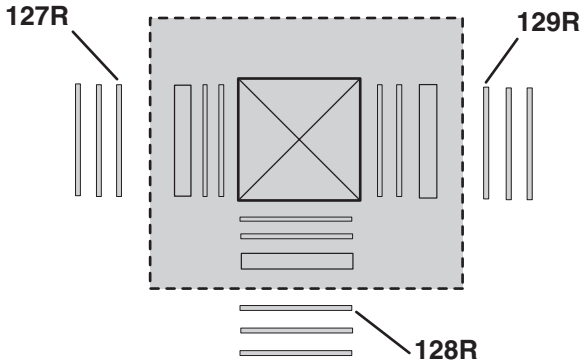
Optical Unit Type-R



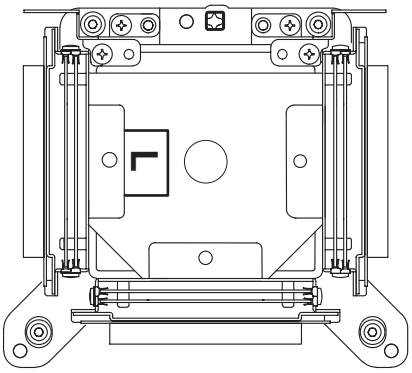
NO.130R
LCD Panel/Prism ass'y (TYPE-R)



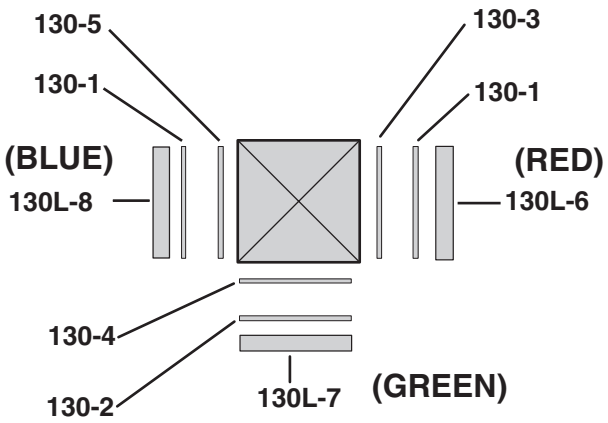
NO.127R, 128R, 129R
Optical filter(HCP) (TYPE-R)



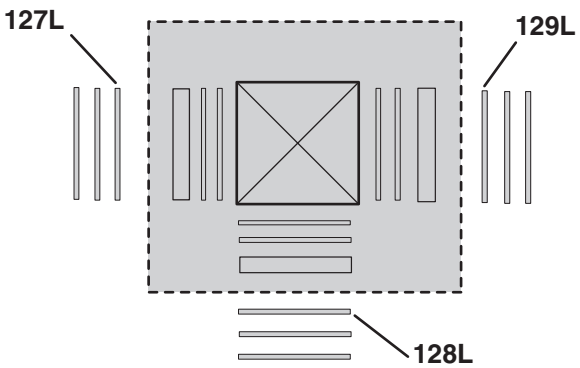
Optical Unit Type-L



NO.130L
LCD Panel/Prism ass'y (TYPE-L)



NO.127L, 128L, 129L
Optical filter(HCP) (TYPE-L)



Ref. No.	Part No.	Part No.
CABINET PARTS		
1	610 327 3174	ASSY,BUTTON-MA4A
2	610 286 3116	COMPL HANDLE A-ML6B
3	610 283 5663	ASSY HINGE- MJ6A
4	610 298 3272	COMPL LATCH PUSH A-MC8K
6	610 284 5938	ASSY LATCH PUSH B -MJ6A
7	610 286 3154	COMPL,STAND LEG A-ML6B
8	610 286 3161	COMPL,STAND LEG B-ML6B
9	610 286 3178	ASSY,STAND LEG R-ML6B
10	610 306 5236	CABINET FRONT-M4MA
11	610 329 0027	CABINET TOP A-KF6A
12	610 329 9600	CABINET BOTTOM B-KF6A
13	610 329 9594	COVER TOP C-KF6A
14	610 322 4381	COVER LNS A-MJ6A
15	610 283 5717	DEC INLAY R/C F-MJ6A
16	610 283 5724	DEC INLAY A-MJ6A
17	610 283 5731	DEC INLAY B-MJ6A
18	610 284 0001	DEC INLAY R/C R-MJ6A
19	610 321 9134	DEC COMP SHEET A-M4MA-A
20	610 321 9172	DEC COMP SHEET B-M4MA-A
21	610 327 3136	DEC CONT SHEET A-MA4A
22	610 285 9034	FILTER BASE A-ML6B
23	610 287 2637	FILTER TOP-ML6B
24	610 298 0141	GRILLE SP L-MC8K
25	610 298 0158	GRILLE SP R-MC8K
26	610 283 5854	KNOB-MJ6A
27	610 284 2920	MOUNTING COVER LNS A-MJ6A
28	610 284 2937	MOUNTING COVER LNS B-MJ6A
29	610 301 4814	NET A-MT8A
30	610 283 4703	PANEL COMP D-MJ6A
31	610 284 4658	PANEL COMP E-MJ6A
32	610 284 4665	PANEL COMP F-MJ6A
33	610 284 8182	PANEL COMP G-MJ6A
36	610 306 6844	PANEL FRONT TOP-M4MA
37	610 306 6851	PANEL FRONT BTM-M4MA
38	610 306 6868	PANEL COMP A-M4MA
39	610 306 6875	PANEL CONT-M4MA
40	610 306 6882	PANEL FILTER-M4MA
41	610 289 3359	STAND LEG CT-ML6B
42	610 272 9238	SPRING COIL-M6MA
43	610 285 1366	SPRING COIL-MJ6A
44	645 030 7355	BADGE,SANYO*53.5X12L53.5
CHASSIS PARTS		
51	610 311 5122	ASSY,HOLDER LNS B-MT8A
51-A	645 042 7343	ASSY,MOTOR(ML6A)
51-B	645 057 3224	SWITCH,SENSOR X
51-C	645 057 3231	SWITCH,SENSOR Y
51-D	610 303 9879	ASSY,PWB,LENS-BASE NET MT8A
53	610 282 9846	COMPL,HOLDER REL A-MJ6A
54	610 282 9853	COMPL,HOLDER COND A-MJ6A
55	610 305 5592	COMPL,HOLDER INT A-MW8A
56	610 295 4876	COMPL,HOLDER POL A-MJ6A
57	610 303 9572	COMPL,HOLDER PBS A-MT8A
58	610 326 8811	COVER,DUCT LMP B-MA4A
59	610 300 0985	COVER,DUCT LMP C-MT8A
60	610 300 0992	COVER,DUCT LMP D-MT8A
61	610 302 2437	COVER MR-MT8A
62	610 300 6574	COVER,DUCT SET A-MT8A
63	610 326 8842	COVER DUCT PBS A-MA4A
64	610 326 8927	COVER DUCT LCD GB TOP-MA4A
65	610 326 8767	COVER DUCT LCD GB BTM-MA4A
66	610 326 8835	COVER DUCT LCD R TOP-MA4A
67	610 326 8750	COVER DUCT LCD R BTM-MA4A
68	610 283 0613	HOLDER REL D-MJ6A
69	610 283 0620	HOLDER INT D-MJ6A
70	610 283 0866	HOLDER PBS D-MJ6A
71	610 292 2806	HOLDER,MR A-MJ6A
72	610 283 0668	HOLDER COND D-MJ6A
73	610 301 5484	HOLDER FILTER PWB-MT8A
74	610 301 5491	HOLDER SUB PWB-MT8A
75	610 329 6432	HOLDER FILTER PWB A-MA4A
76	610 327 7448	HOLDER POWER PWB A-MA4A
77	610 295 5019	MOUNTING PLT B-MJ6A
78	610 290 0095	MOUNTING UV FILTER-B-ML6A
79	610 290 0118	MOUNTING UV FILTER-D-ML6A
80	610 295 5040	MOUNTING PLT A-MJ6A
81	610 303 7356	MOUNTING UV FILTER A-MT8A
82	610 303 7363	MOUNTING UV FILTER B-MT8A
83	610 329 1161	MOUNTING PLT A(1.0T)-KF6A
84	610 283 5861	MOUNTING SP A-MJ6A
85	610 283 5878	MOUNTING SP B-MJ6A
86	610 284 6065	MOUNTING SP C-MJ6A
87	610 286 6650	MOUNTING SP D-MJ6A
88	610 322 4916	SPACER LMP PWB B-MT8A
89	610 322 4817	SPACER CONDENSER LENS-MT8A
90	610 328 1278	SPACER UV CAB BTM-MA4A
91	610 328 4057	SPACER AC INLET-MA4A
92	610 323 4410	SPACER COVER MR-M4ZA
93	610 307 5914	OPTICAL BASE TOP-MT8A
94	610 328 2879	OPTICAL BASE BTM A-MA4A
95	610 327 5468	OPTICAL BASE BTM B-MA4A
96	610 301 7976	MOUNTING PLT A-MT8A
SCREWS		
S1	411 190 4301	SCR BIN 4X8
S2	411 192 1803	SCR S-TPG BIN 4X10
S3	411 207 3402	SCR BIN+IN TW 3 X 6
OPTICAL PARTS		
101	645 041 2660	ASSY,PRISM(PBS)
102	645 048 6050	DICHROIC MIRROR (Y/IA)
103	645 078 9212	DICHROIC MIRROR (C)
104	645 085 9229	POLARIZED GLASS(IN/B)
105	645 085 9212	POLARIZED GLASS(IN/G)
106	645 085 9205	POLARIZED GLASS(IN/R)
107	645 085 9199	PREPOLARIZED GLASS(IN)
110	645 043 8523	OPTICAL FILTER
	645 064 2678	OPTICAL FILTER
111	645 043 8516	OPTICAL FILTER
	645 064 2661	OPTICAL FILTER
112	645 086 0386	OPTICAL FILTER
114	645 047 1858	MIRROR(B-COLD)
115	645 047 1841	MIRROR(R)
116	645 041 2745	MIRROR(COLD)
117	645 086 0393	LENS,CONDENSER(R-FIL)
118	645 060 3174	LENS,CONDENSER(OUT)
119	645 054 1261	LENS,CONDENSER(IN)
120	645 041 2875	LENS,RELAY(OUT)
121	645 041 2868	LENS,RELAY(IN)
122	645 075 3664	LENS,CONDENSER(G)
123	645 041 2707	LENS,INTEGRATER
125	645 086 4704	LENS,CONDENSER(UV-FIL)
126	645 085 8284	LENS,INTEGRATER(OUT)
127L	645 085 9281	OPTICAL FILTER (HCP)RR
127R	645 085 9298	OPTICAL FILTER (HCP)LG
128L	645 085 9298	OPTICAL FILTER (HCP)LG
128R	645 085 9281	OPTICAL FILTER (HCP)RR
129L	645 085 9281	OPTICAL FILTER (HCP)RR
129R	645 085 9298	OPTICAL FILTER (HCP)LG
130L	610 330 1860	ASSY,LCD PNL/PSM-KF6A-RLR
130-1	645 085 9267	PREPOLARIZED GLASS(OUT)RB
130-2	645 085 9274	PREPOLARIZED GLASS(OUT)G
130-3	645 085 9236	POLARIZED GLASS(OUT/R)
130-4	645 085 9243	POLARIZED GLASS(OUT/G)
130-5	645 085 9250	POLARIZED GLASS(OUT/B)
130L-6	645 085 6082	LCD(LCX082ANB-7)R
130L-7	645 085 6099	LCD(LCX082APB-8)G
130L-8	645 085 6105	LCD(LCX082ANB-6)B
130R	610 330 1631	ASSY,LCD PNL/PSM-KF6A-LRL
130-1	645 085 9267	PREPOLARIZED GLASS(OUT)RB
130-2	645 085 9274	PREPOLARIZED GLASS(OUT)G
130-3	645 085 9236	POLARIZED GLASS(OUT/R)
130-4	645 085 9243	POLARIZED GLASS(OUT/G)
130-5	645 085 9250	POLARIZED GLASS(OUT/B)
130R-6	645 085 6112	LCD(LCX082APB-7)R
130R-7	645 085 6129	LCD(LCX082ANB-8)G
130R-8	645 085 6136	LCD(LCX082APB-6)B

Packing Materials and Accessories Parts

Ref. No.	Part No.	Part No.

PACKING MATERIALS

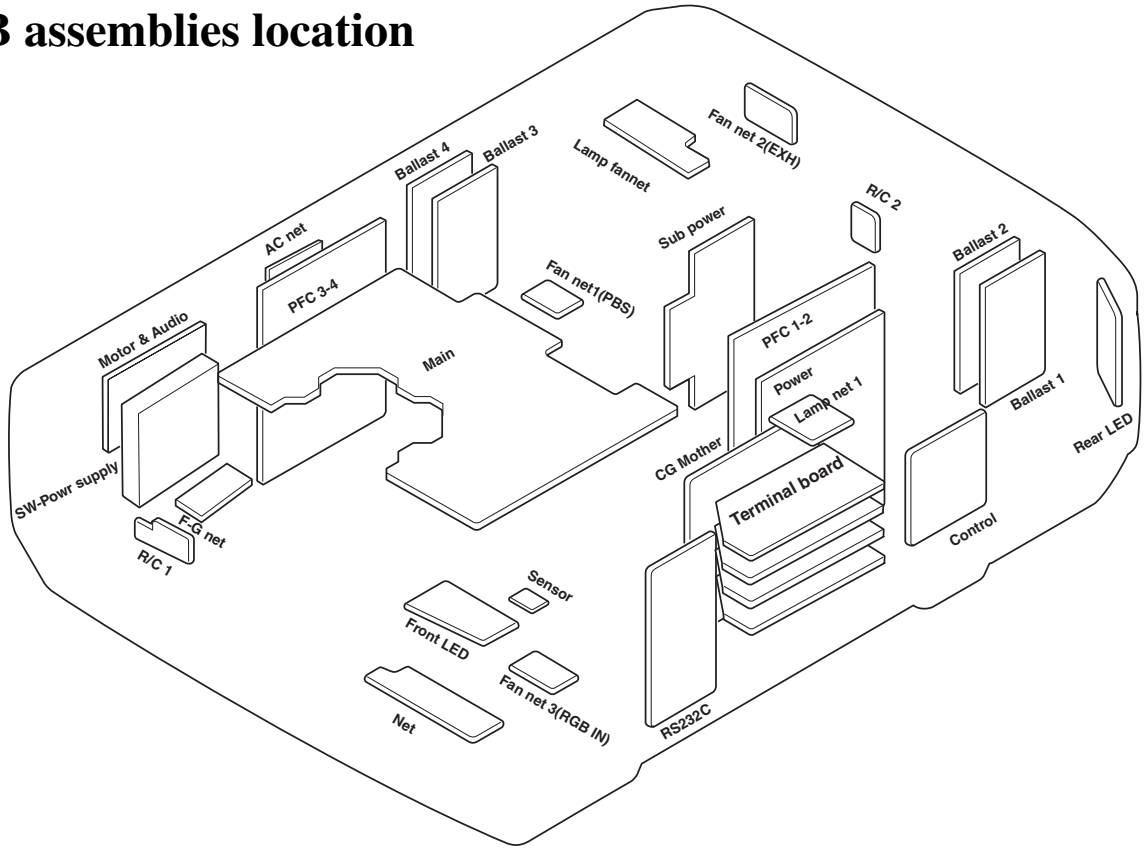
	610 293 0672	ASSY,CARTON CASE BTM-ML6F
	610 285 9072	HANDLE CARTON-ML6A
	610 284 3613	CUSHION SPACER-ML6A
	610 284 3033	CUSHION BTM-ML6A
	610 284 3040	CUSHION TOP-ML6A
	610 289 4103	CUSHION BTM BASE-ML6A
	610 289 7234	REINFORCEMENT A-ML6A
	645 067 1838	POLY BAG-1800X1300*NC
PLC-XF46N(USA)		
	610 328 9823	CARTON CASE TOP-KF6A
PLC-XF46E(EU),(UK)		
	610 328 9984	CARTON CASE TOP-LF6A

ACCESSORIES

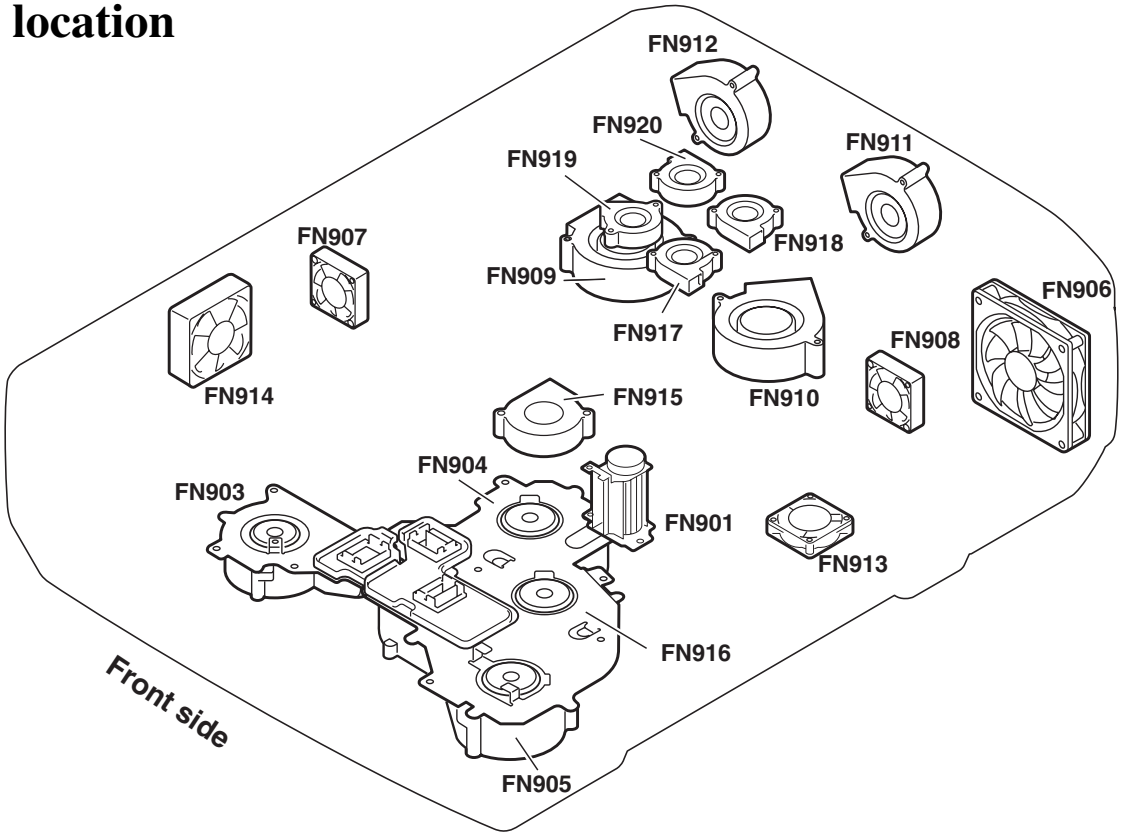
	610 322 4329	COVER LENS B-MJ6A
	610 322 8136	COVER LNS C-MJ6A
	610 322 7351	COVER LNS D-MJ6A
	610 322 7894	COVER LNS E-MJ6A
	610 322 7719	COVER LNS F-MJ6A
	610 322 7559	COVER LENS G-MJ6A
	610 303 8742	COMPL,MOUNTING LENS A-MT8A
	610 304 6228	COMPL,MOUNTING LENS A-IDJK
	610 319 5346	COLOR MANAGE INST-B-MM7A
	610 301 6658	ASSY,SPACER BF-MY8A
	610 322 4275	COMPL,STPR CLAMP LNS MM7A
	645 069 2154	CABLE,FXAF
	645 073 4854	CABLE,INTERFACE VGA
MANUAL		
	610 330 3901	SETUP INST MANUAL-KF6A
	645 086 0546	CD-ROM,OWNERS MANUAL-KF6A
	610 319 5346	COLOR MANAGE INST-B-MM7A
	645 072 1120	CD-ROM (R.C. MANAGER)
REMOTE CONTROL		
	645 085 6174	ASSY,REMOCON CXVC
	610 316 9897	RC-BATTERY LID-CXSF
AC CORD		
⚠ (US)	645 085 5047	CORD,POWER-2.5MK,US
⚠ (EU)	645 066 7169	CORD,POWER-3.0MK,EU
⚠ (UK)	645 066 7152	CORD,POWER-3.138MK,UK

Ref. No.	Part No.	Part No.

PWB assemblies location



Fans location



Product safety should be considered when a component replacement is made in any area of a projector.
Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

Read description in the Capacitor and Resistor as follows:

CAPACITOR CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:

Less than 10pF

A : Not specified	B : ±0.1pF	C : ±0.25pF
D : ±0.5pF	E : +0 -1pF	F : ±1PF
G : ±2pF	H : +0.1 -0pF	L : +0 -0.1pF
R : ±0.25 -0pF	S : +0-0.25pF	

More than 10pF

A : Not specified	B : ±0.1%	C : ±0.25%
D : ±0.5%	F : ±1%	G : ±2%
H : ±3%	J : ±5%	K : ±10%
L : ±15%	M : ±20%	N : ±30%
P : +100-0%	Q : +30-10%	T : +50-10%
U : +75-10%	V : +20-10%	W : +100-10%
X : +40-20%	Y : +150-10%	Z : +80-20%

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC	Ceramic
MT-PAPER	Metallized Paper
POLYESTER	Polyester
MT-POLYEST	Metallized Polyester
POLYPRO	Polypropylene
MT-POLYPRO	Metallized Polypropylene
COMPO FILM	Composite film
MT-COMPO	Metallized Composite
STYRENE	Styrene
TA-SOLID	Tantalum Oxide Solid Electrolytic
AL-SOLID	Aluminium Solid Electrolytic
ELECT	Aluminum Foil Electrolytic
NP-ELECT	Non-polarised Electrolytic
OS-SOLID	Aluminium Solid with Organic Semiconductive Electrolytic
POS-SOLID	Polymerized Organic Semiconductive
DL-ELECT	Double Layered Electrolytic
PPS-FILM	Polyphenylene Sulfide Film
MT-PPS-FILM	Metalized Polyphenylene Sulfide Film
MT-PEN-FILM	Metalized Polyethylenenaphthalate Film
CAPACITOR	Other

RESISTOR CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:
A: General B: Non flammable Z: Low noise
Other: Temperature coefficient

T: ±10ppm/°C	U: ±25ppm/°C	C: ±50ppm/°C
D: ±100ppm/°C	E: ±200ppm/°C	F: ±250ppm/°C
G: ±350ppm/°C	H: ±1000ppm/°C±10%	W: ±1200ppm/°C±10%
Y: ±1400ppm/°C±10%	J: ±2000ppm/°C±10%	K: ±2400ppm/°C±10%
L: ±2700ppm/°C±10%	M: ±3000ppm/°C±10%	N: ±3300ppm/°C±10%
P: ±3600ppm/°C±10%	Q: ±3900ppm/°C±10%	R: ±4200ppm/°C±10%
S: ±4300ppm/°C±10%	V: ±4500ppm/°C±10%	X: ±8000ppm/°C±10%

Tolerance Symbols:
A: ±0.05% B: ±0.1% C: ±0.25% D: ±0.5%
F: ±1% G: ±2% J: ±5% K: ±10%
M: ±20% P: +5-15% Z: 0 ohm

Rated value, ohms:
K: 1,000, M: 1,000,000

Material:

CARBON	Carbon
MT-FILM	Metal Film
OXIDE-MT	Oxide Metal Film
SOLID	Composition
MT-GLAZE	Metal Glaze
WIRE WOUND	Wire Wound
CERAMIC RES	Ceramic
FUSIBLE RES	Fusible
RESISTOR	Other

Key No.	Part No.	Description
ASSEMBLIED BOARDS		
⚠	610 322 8198	ASSY,PWB,COMPONENT MT8AD
⚠	610 322 8259	ASSY,PWB,AV MT8AD
⚠	610 322 8761	ASSY,PWB,D-SUB15 MT8AD
⚠	610 322 8839	ASSY,PWB,CGMOTHER MT8AD
⚠	610 322 8600	ASSY,PWB,SENSOR MT8AD
⚠	610 330 5011	ASSY,PWB,RS232C KF6A
⚠	610 324 8080	ASSY,PWB,DVI KF6A
⚠	610 328 3975	ASSY,PWB,MAIN KF6A
⚠	610 328 7201	ASSY,PWB,POWER KF6A
⚠	610 328 7171	ASSY,PWB,PBS FANNET KF6A
⚠	610 328 7164	ASSY,PWB,EXH FANNET KF6A
⚠	610 328 7157	ASSY,PWB,RGB IN FANNET KF6A
⚠	610 328 7119	ASSY,PWB,F-G NET KF6A
⚠	610 328 7195	ASSY,PWB,AC NET KF6A
⚠	610 328 7409	ASSY,PWB,MOTOR&AUDIO KF6A
⚠	610 328 7416	ASSY,PWB,CONTROL KF6A
⚠	610 328 7423	ASSY,PWB,FRONT LED KF6A
⚠	610 328 7430	ASSY,PWB,R/C1 KF6A
⚠	610 328 7447	ASSY,PWB,R/C2 KF6A
⚠	610 328 7461	ASSY,PWB,NET KF6A
⚠	610 328 7478	ASSY,PWB,REAR LED KF6A
⚠	610 328 7485	ASSY,PWB,LAMP FANNET KF6A
KF6-XF46N00		
⚠	610 328 7454	ASSY,PWB,LAMP NET KF6A
LF6-XF46E00		
⚠	610 330 3659	ASSY,PWB,LAMP NET LF6A
OUT OF CIRCUIT BOARDS		
COIL		
L901	645 044 3817	CORE,CLAMP
	645 050 8417	CORE,CLAMP
L902	645 044 3817	CORE,CLAMP
	645 050 8417	CORE,CLAMP
L903	645 044 3817	CORE,CLAMP
	645 050 8417	CORE,CLAMP
L904	645 044 3817	CORE,CLAMP
	645 050 8417	CORE,CLAMP
L905	645 044 3817	CORE,CLAMP
	645 050 8417	CORE,CLAMP
L906	645 044 3817	CORE,CLAMP
	645 050 8417	CORE,CLAMP
L907	645 044 3817	CORE,CLAMP
	645 050 8417	CORE,CLAMP
L908	645 044 3817	CORE,CLAMP
	645 050 8417	CORE,CLAMP
L909	645 044 3817	CORE,CLAMP
	645 050 8417	CORE,CLAMP
L910	645 044 3817	CORE,CLAMP
	645 050 8417	CORE,CLAMP
⚠LF901	645 083 5032	UNIT,NOISE FILTER
⚠LP901	610 327 4928	COMPL,OPTICAL LMP-MA4A(OSM3
⚠LP902	610 327 4928	COMPL,OPTICAL LMP-MA4A(OSM3
⚠LP903	610 327 4928	COMPL,OPTICAL LMP-MA4A(OSM3
⚠LP904	610 327 4928	COMPL,OPTICAL LMP-MA4A(OSM3
MISCELLANEOUS		
⚠A901	645 084 4140	UNIT,POWER(DC)
⚠A902	645 054 8376	UNIT,SW-POWER SUPPLY
⚠BALAST1	645 085 8277	UNIT,BALLAST
⚠BALAST2	645 085 8277	UNIT,BALLAST
⚠BALAST3	645 085 8277	UNIT,BALLAST
⚠BALAST4	645 052 5964	UNIT,BALLAST
⚠FN901	645 041 7535	MOTOR,FAN DC 2.16W
⚠FN903	645 084 2535	MOTOR,BLW DC 15.0W
⚠FN904	645 084 2535	MOTOR,BLW DC 15.0W
⚠FN905	645 084 2535	MOTOR,BLW DC 15.0W
⚠FN906	645 084 2542	MOTOR,FAN DC 6.96W
⚠FN907	645 084 2399	MOTOR,FAN DC 1.92W
⚠FN908	645 084 2399	MOTOR,FAN DC 1.92W
⚠FN909	645 078 8789	MOTOR,BLW DC 7.08W
⚠FN910	645 078 8789	MOTOR,BLW DC 7.08W
⚠FN911	645 078 8789	MOTOR,BLW DC 7.08W
⚠FN912	645 078 8789	MOTOR,BLW DC 7.08W
⚠FN913	645 084 2573	MOTOR,FAN DC 5.64W
⚠FN914	645 084 2511	MOTOR,FAN DC 3.36W
⚠FN915	645 084 2528	MOTOR,BLW DC 12.0W
⚠FN916	645 084 2535	MOTOR,BLW DC 15.0W
⚠FN917	645 078 8796	MOTOR,BLW DC 1.68W
⚠FN918	645 078 8857	MOTOR,BLW DC 1.68W
⚠FN919	645 078 8796	MOTOR,BLW DC 1.68W
⚠FN920	645 078 8857	MOTOR,BLW DC 1.68W
⚠PFC1-2	645 053 2023	UNIT,POWER
⚠PFC3-4	645 053 2023	UNIT,POWER
PTH901	408 043 5806	TH NTH4G42B104FD01
⚠SW901	645 086 6470	SWITCH,POWER 4P-2TX2
SW901A	610 327 3488	HOLDER ACSW-MA4A
⚠SW902	645 076 8163	SWITCH,PUSH 1P-2TX1
⚠SW903	645 084 8469	SWITCH,REED
⚠SW904	645 084 8469	SWITCH,REED
⚠SW905	645 084 8469	SWITCH,REED
⚠SW906	645 084 8469	SWITCH,REED
W7C1	610 329 8276	CABLE,BALLAST KF6A
W7C2	610 329 8276	CABLE,BALLAST KF6A
W7C3	610 329 8276	CABLE,BALLAST KF6A
W7C4	610 329 8276	CABLE,BALLAST KF6A
W901	610 273 1781	CORD,ID-CONNECTOR M6MA
W902	610 290 7483	CORD,SHIELD 40P
W903	610 297 4867	CORD,SHIELD 38P
WK2B-K90	610 287 1005	CORD,SHIELD 1P
WK2G-K90	610 287 0992	CORD,SHIELD 1P
WK2R-K90	610 287 0985	CORD,SHIELD 1P
KF6-XF46N00		
A903	NIL	
⚠F901	423 033 1804	FUSE 250V 30A
⚠F901A	645 085 4958	HOLDER,FUSE
F901D	645 085 4965	HOLDER,FUSE(COVER)
⚠K901	645 082 1066	SOCKET,INLET AC 3P
LF6-XF46E00		
⚠A903	645 055 8238	SURGE-ABSORBER
⚠F901	423 028 4209	FUSE 400V 15A
⚠F901A	645 061 4385	HOLDER,FUSE
⚠K901	645 040 7598	SOCKET,INLET AC 3P
COMPONENT BOARD		
⚠	610 322 8198	ASSY,PWB,COMPONENT MT8AD
TRANSISTOR		
Q1011	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1015	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1062	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1063	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1064	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1066	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0

Key No.	Part No.	Description
Q1068	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1091	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3011	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3015	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
INTEGRATED CIRCUIT		
IC1004	410 343 7008	IC SN74AHCT1G14DBVR
IC1005	410 343 7008	IC SN74AHCT1G14DBVR
IC1051	409 484 2013	IC BA7078AF-E2
IC1052	410 343 7008	IC SN74AHCT1G14DBVR
IC1053	410 343 7008	IC SN74AHCT1G14DBVR
IC1054	410 392 4706	IC SN74AHCT1G125DCK
IC1056	410 343 7008	IC SN74AHCT1G14DBVR
IC1061	409 502 8703	IC TA1318N
IC2041	409 461 7829	IC PQ20WZ11
IC2051	409 441 8416	IC LA7217M-T-TRM
IC2052	410 365 2104	IC SN74LS221DBR
IC2071	409 470 2614	IC AD8183ARUZ-REEL7
IC2081	409 404 6322	IC M62320FP-DF5J
IC2082	409 463 7510	IC 24LC02BT-I/SNG
	409 417 5517	IC 24LC04BT/SN
IC2091	410 358 1503	IC TC74HC4053AFT(EL)
IC3031	409 380 6313	IC HIN232CBZ
	409 273 3531	IC SP232ACT-L
IC3051	410 296 5700	IC TWM7000-151020
IC3061	410 275 5806	IC TWM7000-162020
	410 275 5707	IC TWM7000-162020
IC3071	409 416 6515	IC BA05FP-E2
IC3081	409 461 7314	IC AD8057ARTZ-REEL7
IC3082	409 461 7314	IC AD8057ARTZ-REEL7
IC3083	409 461 7314	IC AD8057ARTZ-REEL7
IC3084	409 461 7314	IC AD8057ARTZ-REEL7
IC3091	409 395 5912	IC TC7SH00FU-(TE85L)
CAPACITOR		
C1001	403 397 8810	NP-ELECT 4.7U M 16V
C1002	403 397 8810	NP-ELECT 4.7U M 16V
C1003	403 155 1510	CERAMIC 180P J 50V
C1004	403 146 0515	CERAMIC 1200P K 50V
C1005	403 397 8414	NP-ELECT 47U M 6.3V
C1006	403 397 8414	NP-ELECT 47U M 6.3V
C1007	403 397 8414	NP-ELECT 47U M 6.3V
C1012	403 398 2114	ELECT 330U M 6.3V
C1013	403 164 0214	CERAMIC 0.1U Z 25V
C1014	403 398 2114	ELECT 330U M 6.3V
C1015	403 164 0214	CERAMIC 0.1U Z 25V
C1021	403 157 1518	CERAMIC 3P C 50V
C1022	403 157 1914	CERAMIC 10P D 50V
C1023	403 391 5211	ELECT 47U M 16V
C1027	403 392 1212	ELECT 47U M 6.3V
C1028	403 164 0214	CERAMIC 0.1U Z 25V
C1029	403 398 6112	ELECT 1U M 50V
C1031	403 215 2211	CERAMIC 0.01U K 50V
C1032	403 157 6919	CERAMIC 820P K 50V
C1033	403 397 9015	NP-ELECT 1.0U M 50V
C1034	403 237 8710	CERAMIC 0.056U Z 50V
C1035	403 224 6613	CERAMIC 0.022U Z 50V
C1036	403 164 0214	CERAMIC 0.1U Z 25V
C1037	403 164 0214	CERAMIC 0.1U Z 25V
C1038	403 164 0214	CERAMIC 0.1U Z 25V
C1041	403 164 0214	CERAMIC 0.1U Z 25V
C1042	403 164 0214	CERAMIC 0.1U Z 25V
C1043	403 392 1212	ELECT 47U M 6.3V
C1044	403 164 0214	CERAMIC 0.1U Z 25V

Key No.	Part No.	Description
C1051	403 397 8810	NP-ELECT 4.7U M 16V
C1052	403 397 8919	NP-ELECT 0.1U M 50V
C1053	403 398 6112	ELECT 1U M 50V
C1054	403 397 9015	NP-ELECT 1.0U M 50V
C1055	403 398 6518	ELECT 2.2U M 50V
C1056	403 398 6112	ELECT 1U M 50V
C1057	403 157 3611	CERAMIC 100P J 50V
C1058	403 164 0214	CERAMIC 0.1U Z 25V
C1059	403 398 2114	ELECT 330U M 6.3V
C1063	403 398 6518	ELECT 2.2U M 50V
C1064	403 215 2211	CERAMIC 0.01U K 50V
C1065	403 391 5112	ELECT 100U M 16V
C1066	403 149 9218	CERAMIC 0.01U Z 50V
C1069	403 398 6112	ELECT 1U M 50V
C1071	403 398 6112	ELECT 1U M 50V
C1072	403 398 3814	ELECT 220U M 16V
C2004	403 164 0214	CERAMIC 0.1U Z 25V
C2005	403 398 2114	ELECT 330U M 6.3V
C2006	403 164 0214	CERAMIC 0.1U Z 25V
C2007	403 164 0214	CERAMIC 0.1U Z 25V
C2008	403 398 2114	ELECT 330U M 6.3V
C2040	403 398 3814	ELECT 220U M 16V
C2044	403 398 2114	ELECT 330U M 6.3V
C2059	403 164 0214	CERAMIC 0.1U Z 25V
C2072	403 164 0214	CERAMIC 0.1U Z 25V
C2073	403 164 0214	CERAMIC 0.1U Z 25V
C2074	403 149 9218	CERAMIC 0.01U Z 50V
C2075	403 149 9218	CERAMIC 0.01U Z 50V
C2076	403 149 9218	CERAMIC 0.01U Z 50V
C2078	403 164 0214	CERAMIC 0.1U Z 25V
C2079	403 164 0214	CERAMIC 0.1U Z 25V
C2081	403 398 1810	ELECT 220U M 6.3V
C2082	403 149 9218	CERAMIC 0.01U Z 50V
C2083	403 149 9218	CERAMIC 0.01U Z 50V
C2085	403 149 9218	CERAMIC 0.01U Z 50V
C2086	403 398 1810	ELECT 220U M 6.3V
C2087	403 164 0214	CERAMIC 0.1U Z 25V
C2088	403 164 0214	CERAMIC 0.1U Z 25V
C2089	403 164 0214	CERAMIC 0.1U Z 25V
C3001	403 391 5518	ELECT 10U M 16V
C3002	403 391 5518	ELECT 10U M 16V
C3003	403 164 0214	CERAMIC 0.1U Z 25V
C3021	403 283 6319	CERAMIC 1U Z 10V
C3031	403 283 6319	CERAMIC 1U Z 10V
C3032	403 398 6112	ELECT 1U M 50V
C3033	403 398 6112	ELECT 1U M 50V
C3034	403 398 6112	ELECT 1U M 50V
C3035	403 398 6112	ELECT 1U M 50V
C3041	403 283 6319	CERAMIC 1U Z 10V
C3051	403 391 5310	ELECT 47U M 6.3V
C3052	403 283 6319	CERAMIC 1U Z 10V
C3053	403 398 6112	ELECT 1U M 50V
C3054	403 283 6319	CERAMIC 1U Z 10V
C3061	403 283 6319	CERAMIC 1U Z 10V
C3062	403 283 6319	CERAMIC 1U Z 10V
C3071	403 164 0214	CERAMIC 0.1U Z 25V
C3072	403 398 2114	ELECT 330U M 6.3V
C3081	403 157 1518	CERAMIC 3P C 50V
C3082	403 157 1914	CERAMIC 10P D 50V
C3083	403 157 1518	CERAMIC 3P C 50V
C3084	403 157 1914	CERAMIC 10P D 50V
C3085	403 157 1518	CERAMIC 3P C 50V
C3086	403 157 1914	CERAMIC 10P D 50V
RESISTOR		
R1001	401 226 1216	MT-GLAZE 150 FA 1/16W
R1002	401 226 1216	MT-GLAZE 150 FA 1/16W
R1004	401 226 1216	MT-GLAZE 150 FA 1/16W
R1005	401 226 1216	MT-GLAZE 150 FA 1/16W
R1007	401 226 1216	MT-GLAZE 150 FA 1/16W
R1008	401 226 1216	MT-GLAZE 150 FA 1/16W
R1010	401 113 4719	MT-GLAZE 130 JA 1/16W
R1011	401 113 4719	MT-GLAZE 130 JA 1/16W
R1012	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R1014	401 105 0415	MT-GLAZE 100 JA 1/16W
R1015	401 113 4719	MT-GLAZE 130 JA 1/16W
R1016	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R1018	401 113 4917	MT-GLAZE 200 JA 1/16W
R1019	401 113 4719	MT-GLAZE 130 JA 1/16W

Key No.	Part No.	Description
R1021	401 105 0712	MT-GLAZE 100K JA 1/16W
R1025	401 105 0712	MT-GLAZE 100K JA 1/16W
R1029	401 105 0712	MT-GLAZE 100K JA 1/16W
R1037	401 105 0712	MT-GLAZE 100K JA 1/16W
R1038	401 105 1719	MT-GLAZE 150K JA 1/16W
R1039	401 105 5410	MT-GLAZE 47K JA 1/16W
R1040	401 105 5410	MT-GLAZE 47K JA 1/16W
R1041	401 105 4512	MT-GLAZE 390 JA 1/16W
R1042	401 105 0514	MT-GLAZE 1K JA 1/16W
R1043	401 105 0514	MT-GLAZE 1K JA 1/16W
R1044	401 105 2518	MT-GLAZE 20K JA 1/16W
R1045	401 105 7513	MT-GLAZE 82K JA 1/16W
R1046	401 105 0415	MT-GLAZE 100 JA 1/16W
R1047	401 105 0514	MT-GLAZE 1K JA 1/16W
R1048	401 105 0514	MT-GLAZE 1K JA 1/16W
R1049	401 105 0514	MT-GLAZE 1K JA 1/16W
R1051	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R1053	401 105 8015	MT-GLAZE 1M JA 1/16W
R1054	401 105 4611	MT-GLAZE 3.9K JA 1/16W
R1055	401 105 0415	MT-GLAZE 100 JA 1/16W
R1056	401 105 0415	MT-GLAZE 100 JA 1/16W
R1059	401 105 0415	MT-GLAZE 100 JA 1/16W
R1060	401 105 0415	MT-GLAZE 100 JA 1/16W
R1061	401 105 0415	MT-GLAZE 100 JA 1/16W
R1062	401 105 0415	MT-GLAZE 100 JA 1/16W
R1063	401 113 6614	MT-GLAZE 7.5K JA 1/16W
R1064	401 113 5211	MT-GLAZE 360 JA 1/16W
R1065	401 105 0415	MT-GLAZE 100 JA 1/16W
R1066	401 105 0415	MT-GLAZE 100 JA 1/16W
R1067	401 105 0415	MT-GLAZE 100 JA 1/16W
R1068	401 105 0613	MT-GLAZE 10K JA 1/16W
R1069	401 105 0415	MT-GLAZE 100 JA 1/16W
R1070	401 105 3010	MT-GLAZE 220K JA 1/16W
R1071	401 105 0415	MT-GLAZE 100 JA 1/16W
R1072	401 105 3010	MT-GLAZE 220K JA 1/16W
R1073	401 105 0415	MT-GLAZE 100 JA 1/16W
R1075	401 105 0613	MT-GLAZE 10K JA 1/16W
R1076	401 105 0415	MT-GLAZE 100 JA 1/16W
R1077	401 113 5112	MT-GLAZE 300 JA 1/16W
R1078	401 105 0415	MT-GLAZE 100 JA 1/16W
R1079	401 105 5212	MT-GLAZE 470 JA 1/16W
R1081	401 105 1719	MT-GLAZE 150K JA 1/16W
R1082	401 177 2119	MT-GLAZE 4.7M JA 1/16W
R1083	401 105 4116	MT-GLAZE 3.3K JA 1/16W
R1084	401 105 0514	MT-GLAZE 1K JA 1/16W
R1085	401 105 0514	MT-GLAZE 1K JA 1/16W
R1086	401 105 4710	MT-GLAZE 39K JA 1/16W
R1087	401 105 0316	MT-GLAZE 10 JA 1/16W
R1088	401 105 4611	MT-GLAZE 3.9K JA 1/16W
R1089	401 113 6614	MT-GLAZE 7.5K JA 1/16W
R1091	401 105 0613	MT-GLAZE 10K JA 1/16W
R1092	401 105 0613	MT-GLAZE 10K JA 1/16W
R1093	401 105 0613	MT-GLAZE 10K JA 1/16W
R1094	401 105 0613	MT-GLAZE 10K JA 1/16W
R2001	401 105 4512	MT-GLAZE 390 JA 1/16W
R2002	401 105 4512	MT-GLAZE 390 JA 1/16W
R2003	401 105 4512	MT-GLAZE 390 JA 1/16W
R2004	401 105 4017	MT-GLAZE 330 JA 1/16W
R2005	401 105 4017	MT-GLAZE 330 JA 1/16W
R2006	401 105 4017	MT-GLAZE 330 JA 1/16W
R2007	401 105 4017	MT-GLAZE 330 JA 1/16W
R2008	401 105 4017	MT-GLAZE 330 JA 1/16W
R2009	401 105 4017	MT-GLAZE 330 JA 1/16W
R2011	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R2012	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R2013	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R2014	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R2042	401 113 5211	MT-GLAZE 360 JA 1/16W
R2043	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R2044	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R2045	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R2046	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R2047	401 036 8917	MT-GLAZE 5.6 JA 1/8W
R2070	401 105 0613	MT-GLAZE 10K JA 1/16W
R2071	401 105 0613	MT-GLAZE 10K JA 1/16W
R2077	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R2078	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R2079	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R2081	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R2082	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R2084	401 105 0415	MT-GLAZE 100 JA 1/16W
R2085	401 105 0415	MT-GLAZE 100 JA 1/16W
R2086	401 105 0415	MT-GLAZE 100 JA 1/16W
R2087	401 105 0415	MT-GLAZE 100 JA 1/16W
R2097	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R2098	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R2099	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3001	401 105 5519	MT-GLAZE 470K JA 1/16W
R3002	401 105 5519	MT-GLAZE 470K JA 1/16W
R3003	401 105 0415	MT-GLAZE 100 JA 1/16W
R3004	401 105 0415	MT-GLAZE 100 JA 1/16W
R3006	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R3007	401 113 6614	MT-GLAZE 7.5K JA 1/16W
R3008	401 105 3010	MT-GLAZE 220K JA 1/16W
R3009	401 105 3010	MT-GLAZE 220K JA 1/16W
R3011	401 105 3010	MT-GLAZE 220K JA 1/16W
R3012	401 105 0415	MT-GLAZE 100 JA 1/16W
R3013	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R3014	401 105 0415	MT-GLAZE 100 JA 1/16W
R3015	401 105 3010	MT-GLAZE 220K JA 1/16W
R3016	401 105 0415	MT-GLAZE 100 JA 1/16W
R3017	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R3018	401 105 0415	MT-GLAZE 100 JA 1/16W
R3021	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3022	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3023	401 105 5410	MT-GLAZE 47K JA 1/16W
R3027	401 105 0613	MT-GLAZE 10K JA 1/16W
R3028	401 105 0613	MT-GLAZE 10K JA 1/16W
R3031	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3045	401 105 0613	MT-GLAZE 10K JA 1/16W
R3046	401 105 0613	MT-GLAZE 10K JA 1/16W
R3047	401 105 0613	MT-GLAZE 10K JA 1/16W
R3048	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3051	401 105 0613	MT-GLAZE 10K JA 1/16W
R3052	401 105 0613	MT-GLAZE 10K JA 1/16W
R3053	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3054	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3061	401 105 0613	MT-GLAZE 10K JA 1/16W
R3062	401 105 0613	MT-GLAZE 10K JA 1/16W
R3063	401 105 0415	MT-GLAZE 100 JA 1/16W
R3064	401 105 0613	MT-GLAZE 10K JA 1/16W
R3065	401 105 0613	MT-GLAZE 10K JA 1/16W
R3066	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3072	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R3074	401 105 0514	MT-GLAZE 1K JA 1/16W
R3081	401 105 5915	MT-GLAZE 560 JA 1/16W
R3083	401 105 0514	MT-GLAZE 1K JA 1/16W
R3084	401 105 5915	MT-GLAZE 560 JA 1/16W
R3086	401 105 0514	MT-GLAZE 1K JA 1/16W
R3087	401 105 5915	MT-GLAZE 560 JA 1/16W
R3089	401 105 0514	MT-GLAZE 1K JA 1/16W
R3091	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3092	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3093	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
RB3041	645 025 5380	R-NETWORK 10KX4 1/16W
	645 026 8014	R-NETWORK 10KX4 1/16W
COIL		
L1004	645 025 0637	FILTER,EMI 190PF
L1005	645 025 0637	FILTER,EMI 190PF
L1061	645 036 3894	INDUCTOR,220 OHM
L2001	645 040 7796	FILTER,LP 30MHZ
L2002	645 040 7796	FILTER,LP 30MHZ
L2003	645 040 7796	FILTER,LP 30MHZ
L2071	645 036 3894	INDUCTOR,220 OHM
L2072	645 036 3894	INDUCTOR,220 OHM
L3001	645 014 2659	FILTER,EMI 10MHZ
L3002	645 014 2659	FILTER,EMI 10MHZ
L3003	645 014 2659	FILTER,EMI 10MHZ
L3004	645 014 2659	FILTER,EMI 10MHZ
L3005	645 014 2659	FILTER,EMI 10MHZ
L3006	645 014 2659	FILTER,EMI 10MHZ
L3007	645 014 2659	FILTER,EMI 10MHZ
L3008	645 014 2659	FILTER,EMI 10MHZ
L3009	645 014 2659	FILTER,EMI 10MHZ
DIODE		
D1007	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3

Key No.	Part No.	Description
D1008	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D1009	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D1011	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D1012	407 092 9526	DIODE SB07-03C-TB
D1013	407 092 9526	DIODE SB07-03C-TB
D1014	407 149 0817	DIODE 1SS355-TE-17
D1015	407 149 0817	DIODE 1SS355-TE-17
D2081	407 149 0817	DIODE 1SS355-TE-17
D2082	407 149 0817	DIODE 1SS355-TE-17
D3001	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3002	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3003	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3004	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3005	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3006	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3007	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3008	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3009	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3011	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3012	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3013	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3014	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3015	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
MISCELLANEOUS		
K10A	645 028 0412	SOCKET,BNC 5P
K10B	645 040 9974	JACK,RCA-2
K10C	645 041 1076	SOCKET,DIN 8P
K10H	645 041 6071	SOCKET,I/O 176P
SC1001	645 076 3502	SURGE-ABSORBER
SC1002	645 076 3502	SURGE-ABSORBER
SC1003	645 076 3502	SURGE-ABSORBER
X1061	645 046 9213	OSC,CERAMIC 503.0KHZ
X1062	645 006 3459	OSC,CERAMIC 500.0KHZ
X3051	645 021 1218	OSC,CERAMIC 8.00MHZ
	645 037 5187	OSC,CERAMIC 8.00MHZ
X3061	645 021 1218	OSC,CERAMIC 8.00MHZ
	645 037 5187	OSC,CERAMIC 8.00MHZ
AV BOARD		
⚠	610 322 8259	ASSY,PWB,AV MT8AD
TRANSISTOR		
Q101	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q102	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1101	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1151	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q1152	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1153	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q1156	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q1161	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q1162	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1163	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q1164	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q161	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q162	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q163	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q164	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q165	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q166	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q167	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q168	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q2101	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146

Key No.	Part No.	Description
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q2151	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q2191	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q3100	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3101	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3102	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3141	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q3143	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3144	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3145	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q3160	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3181	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3182	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3183	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q4101	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q4182	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q4185	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q5101	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q5103	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q5104	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q5105	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q5106	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q5107	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
INTEGRATED CIRCUIT		
IC1101	409 453 9319	IC UPD64082GF-3BA
IC1121	409 416 6416	IC BA033FP-E2
IC1131	410 342 8808	IC MSM54V16258BSL-40TS-K
IC1141	409 051 2930	IC TC4053BF(EL)
IC1181	409 051 2930	IC TC4053BF(EL)
IC1191	409 397 3015	IC TC7SET04FU-(TE85L)
IC141	409 051 2930	IC TC4053BF(EL)
IC181	409 461 7314	IC AD8057ARTZ-REEL7
IC182	409 461 7314	IC AD8057ARTZ-REEL7
IC183	409 461 7314	IC AD8057ARTZ-REEL7
IC184	409 461 7314	IC AD8057ARTZ-REEL7
IC2101	409 442 1317	IC CXD2064Q
IC2141	409 422 5816	IC M62398FP
IC2142	409 404 6322	IC M62320FP-DF5J
IC2143	409 392 7513	IC 24LC08BT-I/SNG
IC2151	409 250 9829	IC TC4W53F-TE12L
IC2161	409 051 2930	IC TC4053BF(EL)
IC3121	409 408 4215	IC TDA8395T/N3
IC3131	409 435 3816	IC TDA4665T/V5T
IC3141	409 449 2911	IC CXA2019AQ
IC3151	409 461 7314	IC AD8057ARTZ-REEL7
IC3161	409 493 2912	IC SI-3012LU-TL
IC4101	409 474 0012	IC CXA2101AQ
IC4111	409 397 3015	IC TC7SET04FU-(TE85L)
IC4112	409 397 3015	IC TC7SET04FU-(TE85L)
IC4181	409 051 2930	IC TC4053BF(EL)
IC5101	409 422 6615	IC TC90A11F
IC5111	409 325 4223	IC PST600DMT
IC5150	410 365 2005	IC MSM518221A-25GS-K
IC5181	409 461 7314	IC AD8057ARTZ-REEL7

Key No.	Part No.	Description
IC5182	409 461 7314	IC AD8057ARTZ-REEL7
IC5183	409 461 7314	IC AD8057ARTZ-REEL7
CAPACITOR		
C101	403 391 5518	ELECT 10U M 16V
C102	403 391 5518	ELECT 10U M 16V
C103	403 164 0214	CERAMIC 0.1U Z 25V
C104	403 398 3814	ELECT 220U M 16V
C1101	403 145 9915	CERAMIC 22P J 50V
C1102	403 145 9915	CERAMIC 22P J 50V
C1103	403 164 0214	CERAMIC 0.1U Z 25V
C1104	403 164 0214	CERAMIC 0.1U Z 25V
C1105	403 215 0910	CERAMIC 390P J 50V
C1106	403 164 0214	CERAMIC 0.1U Z 25V
C1107	403 164 0214	CERAMIC 0.1U Z 25V
C1108	403 164 0214	CERAMIC 0.1U Z 25V
C1109	403 283 6319	CERAMIC 1U Z 10V
C1110	403 283 6319	CERAMIC 1U Z 10V
C1112	403 283 6319	CERAMIC 1U Z 10V
C1113	403 164 0214	CERAMIC 0.1U Z 25V
C1114	403 164 0214	CERAMIC 0.1U Z 25V
C1115	403 164 0214	CERAMIC 0.1U Z 25V
C1116	403 164 0214	CERAMIC 0.1U Z 25V
C1117	403 397 9015	NP-ELECT 1.0U M 50V
C1119	403 391 5518	ELECT 10U M 16V
C1121	403 164 0214	CERAMIC 0.1U Z 25V
C1122	403 164 0214	CERAMIC 0.1U Z 25V
C1123	403 164 0214	CERAMIC 0.1U Z 25V
C1124	403 164 0214	CERAMIC 0.1U Z 25V
C1125	403 164 0214	CERAMIC 0.1U Z 25V
C1126	403 164 0214	CERAMIC 0.1U Z 25V
C1127	403 391 5310	ELECT 47U M 6.3V
C1128	403 164 0214	CERAMIC 0.1U Z 25V
C1129	403 391 5310	ELECT 47U M 6.3V
C1132	403 398 2114	ELECT 330U M 6.3V
C1133	403 164 0214	CERAMIC 0.1U Z 25V
C1134	403 283 6319	CERAMIC 1U Z 10V
C1135	403 398 2114	ELECT 330U M 6.3V
C1136	403 283 6319	CERAMIC 1U Z 10V
C1137	403 283 6319	CERAMIC 1U Z 10V
C1141	403 391 5310	ELECT 47U M 6.3V
C1146	403 164 0214	CERAMIC 0.1U Z 25V
C1147	403 283 6319	CERAMIC 1U Z 10V
C1148	403 164 0214	CERAMIC 0.1U Z 25V
C1151	403 283 6319	CERAMIC 1U Z 10V
C1152	403 283 6319	CERAMIC 1U Z 10V
C1161	403 283 6319	CERAMIC 1U Z 10V
C1162	403 145 9915	CERAMIC 22P J 50V
C1187	403 283 6319	CERAMIC 1U Z 10V
C1188	403 164 0214	CERAMIC 0.1U Z 25V
C123	403 164 0214	CERAMIC 0.1U Z 25V
C146	403 283 6319	CERAMIC 1U Z 10V
C147	403 164 0214	CERAMIC 0.1U Z 25V
C161	403 397 9015	NP-ELECT 1.0U M 50V
C162	403 323 8815	CERAMIC 2.2U Z 16V
	403 255 7917	CERAMIC 2.2U Z 16V
C163	403 164 0214	CERAMIC 0.1U Z 25V
C164	403 283 6319	CERAMIC 1U Z 10V
C165	403 113 3815	CERAMIC 1000P K 50V
C166	403 398 6112	ELECT 1U M 50V
C167	403 164 0214	CERAMIC 0.1U Z 25V
C168	403 283 6319	CERAMIC 1U Z 10V
C180	403 155 4214	CERAMIC 15P J 50V
C181	403 155 4214	CERAMIC 15P J 50V
C182	403 155 4214	CERAMIC 15P J 50V
C183	403 155 4214	CERAMIC 15P J 50V
C2101	403 397 8513	NP-ELECT 10U M 10V
C2102	403 164 0214	CERAMIC 0.1U Z 25V
C2103	403 283 6319	CERAMIC 1U Z 10V
C2104	403 164 0214	CERAMIC 0.1U Z 25V
C2105	403 164 0214	CERAMIC 0.1U Z 25V
C2106	403 164 0214	CERAMIC 0.1U Z 25V
C2107	403 283 6319	CERAMIC 1U Z 10V
C2108	403 164 0214	CERAMIC 0.1U Z 25V
C2109	403 164 0214	CERAMIC 0.1U Z 25V
C2111	403 164 0214	CERAMIC 0.1U Z 25V
C2112	403 164 0214	CERAMIC 0.1U Z 25V
C2113	403 215 2211	CERAMIC 0.01U K 50V
C2114	403 283 6319	CERAMIC 1U Z 10V
C2116	403 283 6319	CERAMIC 1U Z 10V
C2117	403 164 0214	CERAMIC 0.1U Z 25V
C2118	401 105 0415	MT-GLAZE 100 JA 1/16W
C2119	403 215 2211	CERAMIC 0.01U K 50V
C2121	403 283 6319	CERAMIC 1U Z 10V
C2122	403 164 0214	CERAMIC 0.1U Z 25V
C2123	403 398 2114	ELECT 330U M 6.3V
C2124	403 215 2211	CERAMIC 0.01U K 50V
C2125	403 215 2211	CERAMIC 0.01U K 50V
C2126	403 215 2914	CERAMIC 0.022U K 25V
C2127	403 164 0214	CERAMIC 0.1U Z 25V
C2128	403 283 6319	CERAMIC 1U Z 10V
C2129	403 283 6319	CERAMIC 1U Z 10V
C2131	403 215 2211	CERAMIC 0.01U K 50V
C2133	401 219 1117	MT-GLAZE 1.8K FA 1/16W
C2134	403 215 2211	CERAMIC 0.01U K 50V
C2135	403 215 2211	CERAMIC 0.01U K 50V
C2136	403 215 2211	CERAMIC 0.01U K 50V
C2137	403 398 2114	ELECT 330U M 6.3V
C2138	403 398 2114	ELECT 330U M 6.3V
C2141	403 164 0214	CERAMIC 0.1U Z 25V
C2143	403 283 6319	CERAMIC 1U Z 10V
C2144	403 391 5310	ELECT 47U M 6.3V
C2145	403 164 0214	CERAMIC 0.1U Z 25V
C2146	403 164 0214	CERAMIC 0.1U Z 25V
C2147	403 164 0214	CERAMIC 0.1U Z 25V
C2148	403 164 0214	CERAMIC 0.1U Z 25V
C2149	403 164 0214	CERAMIC 0.1U Z 25V
C2150	403 164 0214	CERAMIC 0.1U Z 25V
C2151	403 164 0214	CERAMIC 0.1U Z 25V
C2152	403 164 0214	CERAMIC 0.1U Z 25V
C2153	403 164 0214	CERAMIC 0.1U Z 25V
C2154	403 164 0214	CERAMIC 0.1U Z 25V
C2155	403 164 0214	CERAMIC 0.1U Z 25V
C2156	403 164 0214	CERAMIC 0.1U Z 25V
C2157	403 164 0214	CERAMIC 0.1U Z 25V
C2158	403 164 0214	CERAMIC 0.1U Z 25V
C2159	403 164 0214	CERAMIC 0.1U Z 25V
C2160	403 164 0214	CERAMIC 0.1U Z 25V
C2167	403 283 6319	CERAMIC 1U Z 10V
C2168	403 164 0214	CERAMIC 0.1U Z 25V
C2170	403 164 0214	CERAMIC 0.1U Z 25V
C2171	403 164 0214	CERAMIC 0.1U Z 25V
C2172	403 164 0214	CERAMIC 0.1U Z 25V
C2173	403 164 0214	CERAMIC 0.1U Z 25V
C2174	403 164 0214	CERAMIC 0.1U Z 25V
C2182	403 398 3715	ELECT 22U M 16V
C2184	403 398 3715	ELECT 22U M 16V
C2186	403 164 0214	CERAMIC 0.1U Z 25V
C2188	403 164 0214	CERAMIC 0.1U Z 25V
C2191	401 105 0613	MT-GLAZE 10K JA 1/16W
C2192	403 145 9915	CERAMIC 22P J 50V
C2193	403 145 9915	CERAMIC 22P J 50V
C3016	403 398 3814	ELECT 220U M 16V
C3018	403 164 0214	CERAMIC 0.1U Z 25V
C3105	403 164 0214	CERAMIC 0.1U Z 25V
C3106	403 215 2211	CERAMIC 0.01U K 50V
C3121	403 391 5518	ELECT 10U M 16V
C3122	403 164 0214	CERAMIC 0.1U Z 25V
C3123	403 298 9619	CERAMIC 0.1U K 16V
C3124	403 298 9619	CERAMIC 0.1U K 16V
C3125	403 298 9619	CERAMIC 0.1U K 16V
C3131	403 215 2211	CERAMIC 0.01U K 50V
C3132	403 283 6319	CERAMIC 1U Z 10V
C3134	403 398 3715	ELECT 22U M 16V
C3135	403 164 0214	CERAMIC 0.1U Z 25V
C3136	403 164 0214	CERAMIC 0.1U Z 25V
C3137	403 164 0214	CERAMIC 0.1U Z 25V
C3140	403 283 6319	CERAMIC 1U Z 10V
C3141	403 215 2211	CERAMIC 0.01U K 50V
C3142	403 283 6319	CERAMIC 1U Z 10V
C3143	403 164 0214	CERAMIC 0.1U Z 25V
C3144	403 398 6518	ELECT 2.2U M 50V
C3146	403 164 0214	CERAMIC 0.1U Z 25V
C3147	403 397 9015	NP-ELECT 1.0U M 50V
C3148	403 397 9015	NP-ELECT 1.0U M 50V
C3149	403 397 9015	NP-ELECT 1.0U M 50V
C3150	403 397 7417	ELECT 330U M 16V

Key No.	Part No.	Description		Key No.	Part No.	Description	
C3151	403 348 5823	CERAMIC	0.47U K 10V	C5124	403 164 0214	CERAMIC	0.1U Z 25V
C3152	403 348 5823	CERAMIC	0.47U K 10V	C5125	403 164 0214	CERAMIC	0.1U Z 25V
C3153	403 157 2119	CERAMIC	13P J 50V	C5126	403 164 0214	CERAMIC	0.1U Z 25V
C3154	403 157 2119	CERAMIC	13P J 50V	C5128	403 155 4214	CERAMIC	15P J 50V
C3155	403 157 2119	CERAMIC	13P J 50V	C5129	403 155 1619	CERAMIC	33P J 50V
C3157	403 157 2119	CERAMIC	13P J 50V	C5130	403 157 1716	CERAMIC	8P D 50V
C3159	403 155 1510	CERAMIC	180P J 50V	C5132	403 398 6112	ELECT	1U M 50V
C3160	403 215 2211	CERAMIC	0.01U K 50V	C5133	403 139 7316	CERAMIC	18P J 50V
C3163	403 391 5716	ELECT	4.7U M 25V	C5134	403 215 2211	CERAMIC	0.01U K 50V
C3164	403 343 8819	CERAMIC	0.47U Z 16V	C5135	403 139 7316	CERAMIC	18P J 50V
C3166	403 397 9015	NP-ELECT	1.0U M 50V	C5136	403 157 1518	CERAMIC	3P C 50V
C3167	403 215 2112	CERAMIC	8200P K 50V	C5137	403 157 1716	CERAMIC	8P D 50V
C3168	403 398 6013	ELECT	0.47U M 50V	C5138	403 164 0214	CERAMIC	0.1U Z 25V
C3169	403 153 9112	CERAMIC	5P C 50V	C5139	403 153 9112	CERAMIC	5P C 50V
C3172	403 157 3611	CERAMIC	100P J 50V	C5141	403 145 9915	CERAMIC	22P J 50V
C3175	403 164 0214	CERAMIC	0.1U Z 25V	C5142	403 157 1716	CERAMIC	8P D 50V
C3176	403 398 3715	ELECT	22U M 16V	C5143	403 164 0214	CERAMIC	0.1U Z 25V
C3177	403 398 6013	ELECT	0.47U M 50V	C5144	403 283 6319	CERAMIC	1U Z 10V
C4119	403 164 0214	CERAMIC	0.1U Z 25V	C5145	403 164 0214	CERAMIC	0.1U Z 25V
C4126	403 215 2211	CERAMIC	0.01U K 50V	C5146	403 164 0214	CERAMIC	0.1U Z 25V
C4129	403 164 0214	CERAMIC	0.1U Z 25V	C5147	403 164 0214	CERAMIC	0.1U Z 25V
C4132	403 164 0214	CERAMIC	0.1U Z 25V	C5148	403 164 0214	CERAMIC	0.1U Z 25V
C4133	403 164 0214	CERAMIC	0.1U Z 25V	C5149	403 398 2114	ELECT	330U M 6.3V
C4134	403 164 0214	CERAMIC	0.1U Z 25V	C5151	403 283 6319	CERAMIC	1U Z 10V
C4135	403 391 5518	ELECT	10U M 16V	C5152	403 164 0214	CERAMIC	0.1U Z 25V
C4137	403 348 5823	CERAMIC	0.47U K 10V	C5181	403 398 3814	ELECT	220U M 16V
C4138	403 391 5518	ELECT	10U M 16V	C5182	403 164 0214	CERAMIC	0.1U Z 25V
C4139	403 298 9619	CERAMIC	0.1U K 16V	C5183	403 153 9112	CERAMIC	5P C 50V
C4140	403 215 2211	CERAMIC	0.01U K 50V	C5184	403 153 9112	CERAMIC	5P C 50V
C4141	403 215 2211	CERAMIC	0.01U K 50V	C5185	403 153 9112	CERAMIC	5P C 50V
C4142	403 215 2211	CERAMIC	0.01U K 50V	C5186	403 155 1619	CERAMIC	33P J 50V
C4143	403 215 2211	CERAMIC	0.01U K 50V	C5187	403 155 1619	CERAMIC	33P J 50V
C4144	403 215 2211	CERAMIC	0.01U K 50V	C5188	403 155 1619	CERAMIC	33P J 50V
C4145	403 215 2211	CERAMIC	0.01U K 50V	RESISTOR			
C4146	403 215 2211	CERAMIC	0.01U K 50V	R100	401 105 3010	MT-GLAZE	220K JA 1/16W
C4147	403 215 2211	CERAMIC	0.01U K 50V	R101	401 105 5519	MT-GLAZE	470K JA 1/16W
C4148	403 215 2211	CERAMIC	0.01U K 50V	R102	401 105 5519	MT-GLAZE	470K JA 1/16W
C4157	403 391 5518	ELECT	10U M 16V	R103	401 105 0415	MT-GLAZE	100 JA 1/16W
C4158	403 348 5823	CERAMIC	0.47U K 10V	R104	401 105 3010	MT-GLAZE	220K JA 1/16W
C4160	403 343 8819	CERAMIC	0.47U Z 16V	R105	401 105 7919	MT-GLAZE	0.000 ZA 1/16W
C4164	403 164 0214	CERAMIC	0.1U Z 25V	R106	401 105 2815	MT-GLAZE	2.2K JA 1/16W
C4165	403 164 0214	CERAMIC	0.1U Z 25V	R107	401 105 0415	MT-GLAZE	100 JA 1/16W
C4166	403 164 0214	CERAMIC	0.1U Z 25V	R108	401 105 3010	MT-GLAZE	220K JA 1/16W
C4169	403 215 2211	CERAMIC	0.01U K 50V	R109	401 105 7919	MT-GLAZE	0.000 ZA 1/16W
C4171	403 215 2211	CERAMIC	0.01U K 50V	R110	401 105 3010	MT-GLAZE	220K JA 1/16W
C4172	403 215 2211	CERAMIC	0.01U K 50V	R1101	401 105 5212	MT-GLAZE	470 JA 1/16W
C4181	403 164 0214	CERAMIC	0.1U Z 25V	R1102	401 105 7919	MT-GLAZE	0.000 ZA 1/16W
C4182	403 283 6319	CERAMIC	1U Z 10V	R1103	401 105 7919	MT-GLAZE	0.000 ZA 1/16W
C4183	403 283 6319	CERAMIC	1U Z 10V	R1104	401 105 7919	MT-GLAZE	0.000 ZA 1/16W
C4184	403 283 6319	CERAMIC	1U Z 10V	R1105	401 105 7919	MT-GLAZE	0.000 ZA 1/16W
C4185	403 224 7016	CERAMIC	0.047U Z 50V	R1106	401 105 5212	MT-GLAZE	470 JA 1/16W
C4186	403 224 7016	CERAMIC	0.047U Z 50V	R1107	401 105 5212	MT-GLAZE	470 JA 1/16W
C4187	403 283 6319	CERAMIC	1U Z 10V	R1108	401 105 7919	MT-GLAZE	0.000 ZA 1/16W
C4188	403 164 0214	CERAMIC	0.1U Z 25V	R1109	401 105 5311	MT-GLAZE	4.7K JA 1/16W
C5100	403 164 0214	CERAMIC	0.1U Z 25V	R111	401 105 2815	MT-GLAZE	2.2K JA 1/16W
C5101	403 164 0214	CERAMIC	0.1U Z 25V	R1111	401 105 0415	MT-GLAZE	100 JA 1/16W
C5102	403 164 0214	CERAMIC	0.1U Z 25V	R1112	401 105 0415	MT-GLAZE	100 JA 1/16W
C5103	403 215 1016	CERAMIC	470P J 50V	R1113	401 105 0415	MT-GLAZE	100 JA 1/16W
C5104	403 298 9619	CERAMIC	0.1U K 16V	R1128	401 105 0415	MT-GLAZE	100 JA 1/16W
C5105	403 155 1312	CERAMIC	150P J 50V	R1129	401 105 0415	MT-GLAZE	100 JA 1/16W
C5106	403 155 4610	CERAMIC	4P C 50V	R1131	401 105 0415	MT-GLAZE	100 JA 1/16W
C5107	403 164 0214	CERAMIC	0.1U Z 25V	R1132	401 105 7919	MT-GLAZE	0.000 ZA 1/16W
C5108	403 164 0214	CERAMIC	0.1U Z 25V	R1133	401 105 7919	MT-GLAZE	0.000 ZA 1/16W
C5109	403 164 0214	CERAMIC	0.1U Z 25V	R1141	401 105 1115	MT-GLAZE	12K JA 1/16W
C5110	403 391 5518	ELECT	10U M 16V	R1142	401 105 8114	MT-GLAZE	56K JA 1/16W
C5111	403 398 2114	ELECT	330U M 6.3V	R1149	401 105 0415	MT-GLAZE	100 JA 1/16W
C5112	403 164 0214	CERAMIC	0.1U Z 25V	R1151	401 105 0415	MT-GLAZE	100 JA 1/16W
C5113	403 215 2211	CERAMIC	0.01U K 50V	R1152	401 105 0415	MT-GLAZE	100 JA 1/16W
C5114	403 155 1510	CERAMIC	180P J 50V	R1155	401 105 7513	MT-GLAZE	82K JA 1/16W
C5115	403 215 2211	CERAMIC	0.01U K 50V	R1156	401 105 2112	MT-GLAZE	18K JA 1/16W
C5116	403 164 0214	CERAMIC	0.1U Z 25V	R1157	401 105 0514	MT-GLAZE	1K JA 1/16W
C5117	403 164 0214	CERAMIC	0.1U Z 25V	R1158	401 105 5311	MT-GLAZE	4.7K JA 1/16W
C5118	403 164 0214	CERAMIC	0.1U Z 25V	R1159	401 105 7315	MT-GLAZE	820 JA 1/16W
C5119	403 164 0214	CERAMIC	0.1U Z 25V	R1161	401 105 6011	MT-GLAZE	5.6K JA 1/16W
C5120	403 153 9112	CERAMIC	5P C 50V	R1162	401 105 0514	MT-GLAZE	1K JA 1/16W
C5121	403 164 0214	CERAMIC	0.1U Z 25V	R1163	401 105 2716	MT-GLAZE	220 JA 1/16W
C5122	403 164 0214	CERAMIC	0.1U Z 25V	R1165	401 105 4512	MT-GLAZE	390 JA 1/16W
C5123	403 164 0214	CERAMIC	0.1U Z 25V	R1166	401 105 5113	MT-GLAZE	47 JA 1/16W

Key No.	Part No.	Description	Key No.	Part No.	Description
R1167	401 105 0514	MT-GLAZE 1K JA 1/16W	R2118	401 105 5915	MT-GLAZE 560 JA 1/16W
R1168	401 105 0514	MT-GLAZE 1K JA 1/16W	R2119	401 105 0514	MT-GLAZE 1K JA 1/16W
R1169	401 105 5311	MT-GLAZE 4.7K JA 1/16W	R2120	401 105 1511	MT-GLAZE 1.5K JA 1/16W
R1171	401 105 7315	MT-GLAZE 820 JA 1/16W	R2121	401 105 0613	MT-GLAZE 10K JA 1/16W
R1172	401 105 6011	MT-GLAZE 5.6K JA 1/16W	R2122	401 105 0910	MT-GLAZE 120 JA 1/16W
R1173	401 105 0514	MT-GLAZE 1K JA 1/16W	R2123	401 226 1216	MT-GLAZE 150 FA 1/16W
R1174	401 105 2716	MT-GLAZE 220 JA 1/16W	R2124	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R1175	401 105 2716	MT-GLAZE 220 JA 1/16W	R2125	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R1176	401 105 5915	MT-GLAZE 560 JA 1/16W	R2126	401 105 0415	MT-GLAZE 100 JA 1/16W
R1177	401 105 5113	MT-GLAZE 47 JA 1/16W	R2127	401 105 0415	MT-GLAZE 100 JA 1/16W
R1178	401 105 0514	MT-GLAZE 1K JA 1/16W	R2128	401 105 0415	MT-GLAZE 100 JA 1/16W
R1183	401 105 2716	MT-GLAZE 220 JA 1/16W	R2129	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R1184	401 105 4116	MT-GLAZE 3.3K JA 1/16W	R2130	401 105 4611	MT-GLAZE 3.9K JA 1/16W
R1187	401 105 0415	MT-GLAZE 100 JA 1/16W	R2131	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R1188	401 105 0415	MT-GLAZE 100 JA 1/16W	R2132	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R1189	401 105 0415	MT-GLAZE 100 JA 1/16W	R2140	401 038 2012	MT-GLAZE 270 JA 1/10W
R121	401 226 1216	MT-GLAZE 150 FA 1/16W	R2141	401 105 0415	MT-GLAZE 100 JA 1/16W
R122	401 226 1216	MT-GLAZE 150 FA 1/16W	R2142	401 105 0415	MT-GLAZE 100 JA 1/16W
R123	401 226 1216	MT-GLAZE 150 FA 1/16W	R2144	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R124	401 226 1216	MT-GLAZE 150 FA 1/16W	R2145	401 105 0415	MT-GLAZE 100 JA 1/16W
R125	401 105 0415	MT-GLAZE 100 JA 1/16W	R2146	401 105 0415	MT-GLAZE 100 JA 1/16W
R126	401 105 4116	MT-GLAZE 3.3K JA 1/16W	R2147	401 105 0415	MT-GLAZE 100 JA 1/16W
R131	401 226 1216	MT-GLAZE 150 FA 1/16W	R2148	401 105 0415	MT-GLAZE 100 JA 1/16W
R132	401 226 1216	MT-GLAZE 150 FA 1/16W	R2149	401 105 0613	MT-GLAZE 10K JA 1/16W
R133	401 226 1216	MT-GLAZE 150 FA 1/16W	R2150	401 038 2012	MT-GLAZE 270 JA 1/10W
R134	401 226 1216	MT-GLAZE 150 FA 1/16W	R2151	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R147	401 105 0415	MT-GLAZE 100 JA 1/16W	R2153	401 105 0613	MT-GLAZE 10K JA 1/16W
R148	401 105 0415	MT-GLAZE 100 JA 1/16W	R2155	401 105 0415	MT-GLAZE 100 JA 1/16W
R149	401 105 0415	MT-GLAZE 100 JA 1/16W	R2156	401 105 0415	MT-GLAZE 100 JA 1/16W
R161	401 105 4819	MT-GLAZE 390K JA 1/16W	R2157	401 105 0514	MT-GLAZE 1K JA 1/16W
R162	401 105 4116	MT-GLAZE 3.3K JA 1/16W	R2160	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R163	401 105 6011	MT-GLAZE 5.6K JA 1/16W	R2161	401 105 7414	MT-GLAZE 8.2K JA 1/16W
R164	401 105 0415	MT-GLAZE 100 JA 1/16W	R2162	401 105 0613	MT-GLAZE 10K JA 1/16W
R165	401 105 2815	MT-GLAZE 2.2K JA 1/16W	R2163	401 105 2716	MT-GLAZE 220 JA 1/16W
R166	401 105 0415	MT-GLAZE 100 JA 1/16W	R2164	401 105 4116	MT-GLAZE 3.3K JA 1/16W
R167	401 105 2815	MT-GLAZE 2.2K JA 1/16W	R2165	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R168	401 105 7315	MT-GLAZE 820 JA 1/16W	R2167	401 105 0415	MT-GLAZE 100 JA 1/16W
R169	401 105 4116	MT-GLAZE 3.3K JA 1/16W	R2168	401 105 0415	MT-GLAZE 100 JA 1/16W
R171	401 105 1511	MT-GLAZE 1.5K JA 1/16W	R2169	401 105 0415	MT-GLAZE 100 JA 1/16W
R172	401 105 2716	MT-GLAZE 220 JA 1/16W	R2170	401 105 4017	MT-GLAZE 330 JA 1/16W
R173	401 105 3010	MT-GLAZE 220K JA 1/16W	R2171	401 105 0712	MT-GLAZE 100K JA 1/16W
R174	401 105 2815	MT-GLAZE 2.2K JA 1/16W	R2191	401 105 0514	MT-GLAZE 1K JA 1/16W
R175	401 105 5212	MT-GLAZE 470 JA 1/16W	R2192	401 105 0514	MT-GLAZE 1K JA 1/16W
R176	401 105 5410	MT-GLAZE 47K JA 1/16W	R2193	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R177	401 105 0514	MT-GLAZE 1K JA 1/16W	R3105	401 105 0514	MT-GLAZE 1K JA 1/16W
R178	401 105 5311	MT-GLAZE 4.7K JA 1/16W	R3106	401 105 1016	MT-GLAZE 1.2K JA 1/16W
R179	401 105 2815	MT-GLAZE 2.2K JA 1/16W	R3107	401 105 5212	MT-GLAZE 470 JA 1/16W
R180	401 218 4515	MT-GLAZE 2.2K FA 1/16W	R3108	401 105 2914	MT-GLAZE 22K JA 1/16W
R182	401 219 1117	MT-GLAZE 1.8K FA 1/16W	R3109	401 105 7414	MT-GLAZE 8.2K JA 1/16W
R183	401 105 2914	MT-GLAZE 22K JA 1/16W	R3110	401 105 0415	MT-GLAZE 100 JA 1/16W
R184	401 105 7414	MT-GLAZE 8.2K JA 1/16W	R3120	401 105 0514	MT-GLAZE 1K JA 1/16W
R185	401 218 4515	MT-GLAZE 2.2K FA 1/16W	R3121	401 037 9111	MT-GLAZE 180 JA 1/10W
R187	401 219 1117	MT-GLAZE 1.8K FA 1/16W	R3122	401 037 9111	MT-GLAZE 180 JA 1/10W
R188	401 105 2914	MT-GLAZE 22K JA 1/16W	R3130	401 105 6516	MT-GLAZE 680 JA 1/16W
R189	401 105 7414	MT-GLAZE 8.2K JA 1/16W	R3131	401 105 0514	MT-GLAZE 1K JA 1/16W
R190	401 105 2815	MT-GLAZE 2.2K JA 1/16W	R3132	401 105 0316	MT-GLAZE 10 JA 1/16W
R192	401 105 1511	MT-GLAZE 1.5K JA 1/16W	R3140	401 105 0514	MT-GLAZE 1K JA 1/16W
R193	401 105 4710	MT-GLAZE 39K JA 1/16W	R3142	401 105 4017	MT-GLAZE 330 JA 1/16W
R194	401 105 7414	MT-GLAZE 8.2K JA 1/16W	R3143	401 105 0613	MT-GLAZE 10K JA 1/16W
R195	401 105 2815	MT-GLAZE 2.2K JA 1/16W	R3144	401 105 4116	MT-GLAZE 3.3K JA 1/16W
R197	401 105 1511	MT-GLAZE 1.5K JA 1/16W	R3145	401 105 0514	MT-GLAZE 1K JA 1/16W
R198	401 105 4710	MT-GLAZE 39K JA 1/16W	R3147	401 105 0514	MT-GLAZE 1K JA 1/16W
R199	401 105 7414	MT-GLAZE 8.2K JA 1/16W	R3148	401 105 4116	MT-GLAZE 3.3K JA 1/16W
R2101	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R3151	401 105 1511	MT-GLAZE 1.5K JA 1/16W
R2102	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R3152	401 105 0514	MT-GLAZE 1K JA 1/16W
R2103	401 105 1412	MT-GLAZE 150 JA 1/16W	R3153	401 105 5212	MT-GLAZE 470 JA 1/16W
R2104	401 235 4116	MT-GLAZE 120 FA 1/16W	R3154	401 105 8114	MT-GLAZE 56K JA 1/16W
R2105	401 105 4116	MT-GLAZE 3.3K JA 1/16W	R3155	401 105 8114	MT-GLAZE 56K JA 1/16W
R2106	401 105 2815	MT-GLAZE 2.2K JA 1/16W	R3156	401 105 8114	MT-GLAZE 56K JA 1/16W
R2107	401 105 4116	MT-GLAZE 3.3K JA 1/16W	R3157	401 105 8114	MT-GLAZE 56K JA 1/16W
R2108	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R3158	401 105 8114	MT-GLAZE 56K JA 1/16W
R2110	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R3159	401 105 0514	MT-GLAZE 1K JA 1/16W
R2111	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R3160	401 105 1214	MT-GLAZE 120K JA 1/16W
R2112	401 105 7919	MT-GLAZE 0.000 ZA 1/16W	R3162	401 105 2716	MT-GLAZE 220 JA 1/16W
R2113	401 105 0415	MT-GLAZE 100 JA 1/16W	R3163	401 105 2716	MT-GLAZE 220 JA 1/16W
R2114	401 105 0415	MT-GLAZE 100 JA 1/16W	R3165	401 105 0415	MT-GLAZE 100 JA 1/16W
R2116	401 105 5311	MT-GLAZE 4.7K JA 1/16W	R3166	401 105 0415	MT-GLAZE 100 JA 1/16W
R2117	401 105 8114	MT-GLAZE 56K JA 1/16W	R3167	401 105 3317	MT-GLAZE 2.7K JA 1/16W

Key No.	Part No.	Description
R3168	401 105 4314	MT-GLAZE 330K JA 1/16W
R3169	401 105 0514	MT-GLAZE 1K JA 1/16W
R3170	401 105 3010	MT-GLAZE 220K JA 1/16W
R3171	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R3173	401 105 4116	MT-GLAZE 3.3K JA 1/16W
R3174	401 113 9516	MT-GLAZE 620K JA 1/16W
R3175	401 218 4515	MT-GLAZE 2.2K FA 1/16W
R3176	401 219 1612	MT-GLAZE 100K FA 1/16W
R3177	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R3178	401 105 6011	MT-GLAZE 5.6K JA 1/16W
R3179	401 286 3410	MT-GLAZE 10 FA 1/16W
R3180	401 105 0613	MT-GLAZE 10K JA 1/16W
R3181	401 105 0514	MT-GLAZE 1K JA 1/16W
R3182	401 105 0514	MT-GLAZE 1K JA 1/16W
R3183	401 105 5212	MT-GLAZE 470 JA 1/16W
R3184	401 105 0514	MT-GLAZE 1K JA 1/16W
R3185	401 105 0514	MT-GLAZE 1K JA 1/16W
R3186	401 105 5212	MT-GLAZE 470 JA 1/16W
R3187	401 105 0514	MT-GLAZE 1K JA 1/16W
R3188	401 105 0514	MT-GLAZE 1K JA 1/16W
R3189	401 105 4017	MT-GLAZE 330 JA 1/16W
R3190	401 105 4017	MT-GLAZE 330 JA 1/16W
R3191	401 105 0415	MT-GLAZE 100 JA 1/16W
R3193	401 105 0712	MT-GLAZE 100K JA 1/16W
R4101	401 217 5414	MT-GLAZE 47K FA 1/16W
R4102	401 105 0514	MT-GLAZE 1K JA 1/16W
R4103	401 105 0514	MT-GLAZE 1K JA 1/16W
R4104	401 105 0415	MT-GLAZE 100 JA 1/16W
R4105	401 105 0415	MT-GLAZE 100 JA 1/16W
R4106	401 105 0415	MT-GLAZE 100 JA 1/16W
R4108	401 105 0613	MT-GLAZE 10K JA 1/16W
R4109	401 105 0613	MT-GLAZE 10K JA 1/16W
R4110	401 105 0613	MT-GLAZE 10K JA 1/16W
R4111	401 105 0613	MT-GLAZE 10K JA 1/16W
R4112	401 114 0512	MT-GLAZE 2.2M JA 1/16W
R4113	401 105 0613	MT-GLAZE 10K JA 1/16W
R4116	401 105 0415	MT-GLAZE 100 JA 1/16W
R4117	401 105 0415	MT-GLAZE 100 JA 1/16W
R4118	401 105 0415	MT-GLAZE 100 JA 1/16W
R4119	401 105 0910	MT-GLAZE 120 JA 1/16W
R4122	401 105 0415	MT-GLAZE 100 JA 1/16W
R4124	401 105 0415	MT-GLAZE 100 JA 1/16W
R4125	401 105 0415	MT-GLAZE 100 JA 1/16W
R4126	401 217 4110	MT-GLAZE 22K FA 1/16W
R4127	401 105 1511	MT-GLAZE 1.5K JA 1/16W
R4128	401 105 6011	MT-GLAZE 5.6K JA 1/16W
R4182	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R4183	401 105 0514	MT-GLAZE 1K JA 1/16W
R4184	401 105 6011	MT-GLAZE 5.6K JA 1/16W
R4186	401 158 4118	MT-GLAZE 4.7 JA 1/16W
R4187	401 105 1917	MT-GLAZE 180 JA 1/16W
R4188	401 112 8015	MT-GLAZE 5.6 JA 1/16W
R4190	401 105 2914	MT-GLAZE 22K JA 1/16W
R4191	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R4196	401 105 0514	MT-GLAZE 1K JA 1/16W
R4197	401 105 0514	MT-GLAZE 1K JA 1/16W
R5100	401 105 2914	MT-GLAZE 22K JA 1/16W
R5101	401 105 1719	MT-GLAZE 150K JA 1/16W
R5102	401 105 0514	MT-GLAZE 1K JA 1/16W
R5103	401 105 0712	MT-GLAZE 100K JA 1/16W
R5104	401 105 4215	MT-GLAZE 33K JA 1/16W
R5105	401 105 0712	MT-GLAZE 100K JA 1/16W
R5106	401 105 8015	MT-GLAZE 1M JA 1/16W
R5107	401 105 5915	MT-GLAZE 560 JA 1/16W
R5108	401 105 7315	MT-GLAZE 820 JA 1/16W
R5109	401 217 3915	MT-GLAZE 3.3K FA 1/16W
R5110	401 105 8213	MT-GLAZE 68K JA 1/16W
R5111	401 217 3915	MT-GLAZE 3.3K FA 1/16W
R5113	401 105 1016	MT-GLAZE 1.2K JA 1/16W
R5116	401 105 7315	MT-GLAZE 820 JA 1/16W
R5117	401 105 7414	MT-GLAZE 8.2K JA 1/16W
R5118	401 105 0514	MT-GLAZE 1K JA 1/16W
R5119	401 105 0613	MT-GLAZE 10K JA 1/16W
R5120	401 105 4710	MT-GLAZE 39K JA 1/16W
R5121	401 105 0613	MT-GLAZE 10K JA 1/16W
R5122	401 105 7414	MT-GLAZE 8.2K JA 1/16W
R5123	401 105 0514	MT-GLAZE 1K JA 1/16W
R5124	401 105 0415	MT-GLAZE 100 JA 1/16W
R5125	401 105 0514	MT-GLAZE 1K JA 1/16W
R5126	401 105 0613	MT-GLAZE 10K JA 1/16W
R5127	401 105 6516	MT-GLAZE 680 JA 1/16W
R5128	401 105 0514	MT-GLAZE 1K JA 1/16W
R5129	401 105 0613	MT-GLAZE 10K JA 1/16W
R5130	401 105 2914	MT-GLAZE 22K JA 1/16W
R5131	401 105 0514	MT-GLAZE 1K JA 1/16W
R5132	401 105 0613	MT-GLAZE 10K JA 1/16W
R5133	401 105 0415	MT-GLAZE 100 JA 1/16W
R5134	401 105 0415	MT-GLAZE 100 JA 1/16W
R5135	401 105 0415	MT-GLAZE 100 JA 1/16W
R5136	401 105 0415	MT-GLAZE 100 JA 1/16W
R5137	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R5138	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R5139	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R5140	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R5141	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R5142	401 105 0514	MT-GLAZE 1K JA 1/16W
R5143	401 105 5212	MT-GLAZE 470 JA 1/16W
R5150	401 105 4710	MT-GLAZE 39K JA 1/16W
R5160	401 105 0514	MT-GLAZE 1K JA 1/16W
R5170	401 105 0514	MT-GLAZE 1K JA 1/16W
R5180	401 203 9914	MT-GLAZE 4.7K FA 1/16W
R5181	401 105 5915	MT-GLAZE 560 JA 1/16W
R5182	401 105 5915	MT-GLAZE 560 JA 1/16W
R5183	401 105 5915	MT-GLAZE 560 JA 1/16W
R5184	401 113 4412	MT-GLAZE 75 JA 1/16W
R5185	401 105 0514	MT-GLAZE 1K JA 1/16W
R5187	401 113 4412	MT-GLAZE 75 JA 1/16W
R5188	401 105 0514	MT-GLAZE 1K JA 1/16W
R5191	401 113 4412	MT-GLAZE 75 JA 1/16W
R5192	401 105 0514	MT-GLAZE 1K JA 1/16W
COIL		
L101	645 014 2659	FILTER,EMI 10MHZ
L102	645 014 2659	FILTER,EMI 10MHZ
L1101	645 084 2696	INDUCTOR,4.7U J
L1104	645 062 2823	INDUCTOR,3.3U M
L1131	645 062 2823	INDUCTOR,3.3U M
L1151	645 044 3626	FILTER,LP 7MHZ
L1161	645 044 3626	FILTER,LP 7MHZ
L1162	645 043 5881	INDUCTOR,10U J
L121	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
L122	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
L123	645 002 3910	FILTER,EMI 100MHZ
L124	645 002 3910	FILTER,EMI 100MHZ
L125	645 014 2659	FILTER,EMI 10MHZ
L131	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
L132	645 002 3910	FILTER,EMI 100MHZ
L133	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
L134	645 002 3910	FILTER,EMI 100MHZ
L161	645 044 3626	FILTER,LP 7MHZ
L2101	645 062 2823	INDUCTOR,3.3U M
L2102	645 062 2823	INDUCTOR,3.3U M
L2191	645 072 1335	INDUCTOR,12U J
L5101	645 062 2823	INDUCTOR,3.3U M
L5102	645 078 7041	INDUCTOR,39U J
L5103	645 043 7380	INDUCTOR,33U J
L5104	645 043 5898	INDUCTOR,47U J
L5121	645 078 7041	INDUCTOR,39U J
DIODE		
D101	407 221 7116	ZENER DIODE UDZS-TE-1712B
D102	407 221 7116	ZENER DIODE UDZS-TE-1712B
D103	407 221 7116	ZENER DIODE UDZS-TE-1712B
D104	407 221 7116	ZENER DIODE UDZS-TE-1712B
D1101	407 149 0817	DIODE 1SS355-TE-17
D1121	407 149 0817	DIODE 1SS355-TE-17
D121	407 209 1211	ZD UDZS-TE-176.2B
D122	407 209 1211	ZD UDZS-TE-176.2B
D123	407 209 1211	ZD UDZS-TE-176.2B
D124	407 209 1211	ZD UDZS-TE-176.2B
D125	407 221 7116	ZENER DIODE UDZS-TE-1712B
D131	407 209 1211	ZD UDZS-TE-176.2B
D132	407 209 1211	ZD UDZS-TE-176.2B
D133	407 209 1211	ZD UDZS-TE-176.2B
D134	407 209 1211	ZD UDZS-TE-176.2B
D2140	407 206 6318	ZD UDZS-TE-175.1B
D3121	407 149 0817	DIODE 1SS355-TE-17
D3131	407 206 6318	ZD UDZS-TE-175.1B

Key No.	Part No.	Description
D4181	407 149 0817	DIODE 1SS355-TE-17
D4182	407 149 0817	DIODE 1SS355-TE-17
D5101	407 216 7629	VARACTOR DI HVU17
MISCELLANEOUS		
K101	645 040 9974	JACK,RCA-2
K121	645 040 9967	SOCKET,DIN 4P
K131	645 031 6067	SOCKET,BNC 2P
K3101	645 041 6071	SOCKET,I/O 176P
VC5101	645 003 9126	TRIMMER,10PF
X1101	645 028 5622	OSC,CRYSTAL 20.000MHZ
	645 028 5646	OSC,CRYSTAL 20.000MHZ
X3141	610 012 0532	OSC,CERAMIC 500.0KHZ
X3142	645 024 8788	OSC,CRYSTAL 3.579545MHZ
	645 025 1115	OSC,CRYSTAL 3.579545MHZ
X3143	645 024 8801	OSC,CRYSTAL 4.433619MHZ
	645 025 1139	OSC,CRYSTAL 4.433619MHZ
X3145	645 028 1372	OSC,CRYSTAL 3.575611MHZ
X3146	645 028 1365	OSC,CRYSTAL 3.582056MHZ
X5101	645 040 7819	OSC,CRYSTAL 17.734475MHZ
D-SUB15 BOARD		
⚠	610 322 8761	ASSY,PWB,D-SUB15 MT8AD
TRANSISTOR		
Q7161	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7171	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7181	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7182	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7183	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7184	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7211	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7215	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
INTEGRATED CIRCUIT		
IC7102	409 461 7314	IC AD8057ARTZ-REEL7
IC7103	409 461 7314	IC AD8057ARTZ-REEL7
IC7104	409 461 7314	IC AD8057ARTZ-REEL7
IC7105	410 343 7008	IC SN74AHCT1G14DBVR
IC7106	410 343 7008	IC SN74AHCT1G14DBVR
IC7141	409 484 2013	IC BA7078AF-E2
IC7142	410 343 7008	IC SN74AHCT1G14DBVR
IC7143	410 343 7008	IC SN74AHCT1G14DBVR
IC7144	410 343 7008	IC SN74AHCT1G14DBVR
IC7161	409 441 8416	IC LA7217M-T-TRM
IC7171	409 643 3912	IC QS3125QGX
IC7172	409 404 6322	IC M62320FP-DF5J
IC7191	409 462 0324	IC 24LC21AT/SN

Key No.	Part No.	Description
IC7192	409 051 2930	IC TC4053BF(EL)
IC7221	409 344 1920	IC MN1382-Q-TX
IC7231	409 380 6313	IC HIN232CBZ
	409 273 3531	IC SP232ACT-L
IC7241	410 296 2402	IC TMP47C101MG-JV45(ELZO
IC7251	410 296 5700	IC TWM7000-151020
IC7261	410 275 5806	IC TWM7000-162020
	410 275 5707	IC TWM7000-162020
IC7271	409 416 6515	IC BA05FP-E2
IC7281	409 463 7510	IC 24LC02BT-I/SNG
	409 417 5517	IC 24LC04BT/SN
CAPACITOR		
C7101	403 397 8810	NP-ELECT 4.7U M 16V
C7102	403 397 8810	NP-ELECT 4.7U M 16V
C7103	403 155 1510	CERAMIC 180P J 50V
C7104	403 146 0515	CERAMIC 1200P K 50V
C7105	403 398 2114	ELECT 330U M 6.3V
C7106	403 164 0214	CERAMIC 0.1U Z 25V
C7107	403 157 1914	CERAMIC 10P D 50V
C7108	403 157 1914	CERAMIC 10P D 50V
C7109	403 157 1914	CERAMIC 10P D 50V
C7111	403 398 2114	ELECT 330U M 6.3V
C7112	403 164 0214	CERAMIC 0.1U Z 25V
C7113	403 157 1518	CERAMIC 3P C 50V
C7114	403 157 1518	CERAMIC 3P C 50V
C7115	403 157 1518	CERAMIC 3P C 50V
C7143	403 397 8810	NP-ELECT 4.7U M 16V
C7144	403 397 9015	NP-ELECT 1.0U M 50V
C7145	403 398 6112	ELECT 1U M 50V
C7146	403 397 9015	NP-ELECT 1.0U M 50V
C7148	403 398 6518	ELECT 2.2U M 50V
C7149	403 398 6112	ELECT 1U M 50V
C7151	403 157 3611	CERAMIC 100P J 50V
C7152	403 164 0214	CERAMIC 0.1U Z 25V
C7153	403 398 2114	ELECT 330U M 6.3V
C7154	403 164 0214	CERAMIC 0.1U Z 25V
C7155	403 391 5310	ELECT 47U M 6.3V
C7161	403 397 8612	NP-ELECT 10U M 16V
C7162	403 164 0214	CERAMIC 0.1U Z 25V
C7164	403 397 9015	NP-ELECT 1.0U M 50V
C7165	403 308 2111	CERAMIC 0.056U K 16V
C7166	403 215 2914	CERAMIC 0.022U K 25V
C7167	403 157 6919	CERAMIC 820P K 50V
C7168	403 215 2211	CERAMIC 0.01U K 50V
C7169	403 398 6112	ELECT 1U M 50V
C7171	403 398 2114	ELECT 330U M 6.3V
C7172	403 164 0214	CERAMIC 0.1U Z 25V
C7173	403 164 0214	CERAMIC 0.1U Z 25V
C7181	403 157 3116	CERAMIC 56P J 50V
C7182	403 157 3116	CERAMIC 56P J 50V
C7183	403 157 3116	CERAMIC 56P J 50V
C7201	403 391 5518	ELECT 10U M 16V
C7202	403 391 5518	ELECT 10U M 16V
C7221	403 283 6319	CERAMIC 1U Z 10V
C7231	403 283 6319	CERAMIC 1U Z 10V
C7232	403 398 6112	ELECT 1U M 50V
C7233	403 398 6112	ELECT 1U M 50V
C7234	403 398 6112	ELECT 1U M 50V
C7235	403 398 6112	ELECT 1U M 50V
C7241	403 283 6319	CERAMIC 1U Z 10V
C7251	403 391 5310	ELECT 47U M 6.3V
C7252	403 283 6319	CERAMIC 1U Z 10V
C7253	403 398 6112	ELECT 1U M 50V
C7254	403 283 6319	CERAMIC 1U Z 10V
C7261	403 283 6319	CERAMIC 1U Z 10V
C7262	403 283 6319	CERAMIC 1U Z 10V
C7271	403 398 2114	ELECT 330U M 6.3V
C7272	403 164 0214	CERAMIC 0.1U Z 25V
RESISTOR		
R7101	401 226 1216	MT-GLAZE 150 FA 1/16W
R7102	401 226 1216	MT-GLAZE 150 FA 1/16W
R7103	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7104	401 226 1216	MT-GLAZE 150 FA 1/16W
R7105	401 226 1216	MT-GLAZE 150 FA 1/16W
R7106	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7107	401 226 1216	MT-GLAZE 150 FA 1/16W
R7108	401 226 1216	MT-GLAZE 150 FA 1/16W
R7109	401 105 7919	MT-GLAZE 0.000 ZA 1/16W

Key No.	Part No.	Description
R7110	401 105 0712	MT-GLAZE 100K JA 1/16W
R7112	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7114	401 105 0415	MT-GLAZE 100 JA 1/16W
R7116	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7118	401 105 0415	MT-GLAZE 100 JA 1/16W
R7119	401 105 0415	MT-GLAZE 100 JA 1/16W
R7120	401 113 8915	MT-GLAZE 200K JA 1/16W
R7121	401 105 2617	MT-GLAZE 22 JA 1/16W
R7122	401 105 2617	MT-GLAZE 22 JA 1/16W
R7124	401 105 4512	MT-GLAZE 390 JA 1/16W
R7127	401 105 0514	MT-GLAZE 1K JA 1/16W
R7129	401 105 4512	MT-GLAZE 390 JA 1/16W
R7133	401 105 0514	MT-GLAZE 1K JA 1/16W
R7135	401 105 4512	MT-GLAZE 390 JA 1/16W
R7138	401 105 0514	MT-GLAZE 1K JA 1/16W
R7143	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7146	401 105 0415	MT-GLAZE 100 JA 1/16W
R7147	401 105 8015	MT-GLAZE 1M JA 1/16W
R7148	401 105 4611	MT-GLAZE 3.9K JA 1/16W
R7149	401 105 0415	MT-GLAZE 100 JA 1/16W
R7151	401 105 0415	MT-GLAZE 100 JA 1/16W
R7152	401 105 0415	MT-GLAZE 100 JA 1/16W
R7153	401 105 0415	MT-GLAZE 100 JA 1/16W
R7154	401 105 0415	MT-GLAZE 100 JA 1/16W
R7155	401 105 0415	MT-GLAZE 100 JA 1/16W
R7156	401 105 0415	MT-GLAZE 100 JA 1/16W
R7160	401 105 8015	MT-GLAZE 1M JA 1/16W
R7162	401 105 0613	MT-GLAZE 10K JA 1/16W
R7163	401 105 4116	MT-GLAZE 3.3K JA 1/16W
R7164	401 105 2112	MT-GLAZE 18K JA 1/16W
R7165	401 105 0514	MT-GLAZE 1K JA 1/16W
R7166	401 105 1719	MT-GLAZE 150K JA 1/16W
R7167	401 105 0415	MT-GLAZE 100 JA 1/16W
R7169	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7170	401 105 5915	MT-GLAZE 560 JA 1/16W
R7171	401 105 4611	MT-GLAZE 3.9K JA 1/16W
R7172	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7173	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7174	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7175	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7176	401 105 0613	MT-GLAZE 10K JA 1/16W
R7177	401 105 4710	MT-GLAZE 39K JA 1/16W
R7178	401 105 0613	MT-GLAZE 10K JA 1/16W
R7179	401 105 0613	MT-GLAZE 10K JA 1/16W
R7181	401 105 0613	MT-GLAZE 10K JA 1/16W
R7182	401 105 0613	MT-GLAZE 10K JA 1/16W
R7183	401 105 0613	MT-GLAZE 10K JA 1/16W
R7184	401 105 0613	MT-GLAZE 10K JA 1/16W
R7185	401 105 0514	MT-GLAZE 1K JA 1/16W
R7191	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R7192	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R7193	401 105 0613	MT-GLAZE 10K JA 1/16W
R7194	401 105 0613	MT-GLAZE 10K JA 1/16W
R7195	401 105 0613	MT-GLAZE 10K JA 1/16W
R7201	401 105 5519	MT-GLAZE 470K JA 1/16W
R7202	401 105 5519	MT-GLAZE 470K JA 1/16W
R7203	401 105 0415	MT-GLAZE 100 JA 1/16W
R7204	401 105 0415	MT-GLAZE 100 JA 1/16W
R7206	401 105 0613	MT-GLAZE 10K JA 1/16W
R7207	401 105 4215	MT-GLAZE 33K JA 1/16W
R7208	401 105 3010	MT-GLAZE 220K JA 1/16W
R7209	401 105 3010	MT-GLAZE 220K JA 1/16W
R7211	401 105 3010	MT-GLAZE 220K JA 1/16W
R7212	401 105 0415	MT-GLAZE 100 JA 1/16W
R7213	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R7214	401 105 0415	MT-GLAZE 100 JA 1/16W
R7215	401 105 3010	MT-GLAZE 220K JA 1/16W
R7216	401 105 0415	MT-GLAZE 100 JA 1/16W
R7217	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R7218	401 105 0415	MT-GLAZE 100 JA 1/16W
R7221	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7222	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7231	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7245	401 105 0613	MT-GLAZE 10K JA 1/16W
R7246	401 105 0613	MT-GLAZE 10K JA 1/16W
R7247	401 105 0613	MT-GLAZE 10K JA 1/16W
R7248	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7251	401 105 0613	MT-GLAZE 10K JA 1/16W
R7252	401 105 0613	MT-GLAZE 10K JA 1/16W
R7253	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7254	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7261	401 105 0613	MT-GLAZE 10K JA 1/16W
R7262	401 105 0613	MT-GLAZE 10K JA 1/16W
R7263	401 105 0415	MT-GLAZE 100 JA 1/16W
R7264	401 105 0613	MT-GLAZE 10K JA 1/16W
R7265	401 105 0613	MT-GLAZE 10K JA 1/16W
R7266	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7281	401 105 0415	MT-GLAZE 100 JA 1/16W
R7282	401 105 0415	MT-GLAZE 100 JA 1/16W
R7283	401 105 0613	MT-GLAZE 10K JA 1/16W
R7284	401 105 0613	MT-GLAZE 10K JA 1/16W
R7285	401 105 0613	MT-GLAZE 10K JA 1/16W
R7286	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R7288	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
RB7241	645 025 5380	R-NETWORK 10KX4 1/16W
	645 026 8014	R-NETWORK 10KX4 1/16W
COIL		
L7104	645 025 0637	FILTER,EMI 190PF
L7105	645 025 0637	FILTER,EMI 190PF
L7201	645 014 2659	FILTER,EMI 10MHZ
L7202	645 014 2659	FILTER,EMI 10MHZ
L7203	645 014 2659	FILTER,EMI 10MHZ
L7204	645 014 2659	FILTER,EMI 10MHZ
L7205	645 014 2659	FILTER,EMI 10MHZ
L7206	645 014 2659	FILTER,EMI 10MHZ
L7207	645 014 2659	FILTER,EMI 10MHZ
L7208	645 014 2659	FILTER,EMI 10MHZ
L7209	645 014 2659	FILTER,EMI 10MHZ
DIODE		
D7101	407 209 1211	ZD UDZS-TE-176.2B
D7102	407 209 1211	ZD UDZS-TE-176.2B
D7103	407 209 1211	ZD UDZS-TE-176.2B
D7104	407 209 1211	ZD UDZS-TE-176.2B
D7105	407 209 1211	ZD UDZS-TE-176.2B
D7106	407 209 1211	ZD UDZS-TE-176.2B
D7107	407 209 1211	ZD UDZS-TE-176.2B
D7108	407 209 1211	ZD UDZS-TE-176.2B
D7109	407 209 1211	ZD UDZS-TE-176.2B
D7111	407 209 1211	ZD UDZS-TE-176.2B
D7112	407 149 0817	DIODE 1SS355-TE-17
D7113	407 149 0817	DIODE 1SS355-TE-17
D7114	407 209 1211	ZD UDZS-TE-176.2B
D7115	407 209 1211	ZD UDZS-TE-176.2B
D7191	407 149 0817	DIODE 1SS355-TE-17
D7192	407 149 0817	DIODE 1SS355-TE-17
D7195	407 149 0817	DIODE 1SS355-TE-17
D7196	407 149 0817	DIODE 1SS355-TE-17
D7201	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7202	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7203	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7204	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7205	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7206	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7207	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7208	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7209	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7211	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7212	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7213	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7214	407 221 7116	ZENER DIODE UDZS-TE-1712B
D7215	407 206 6318	ZD UDZS-TE-175.1B
MISCELLANEOUS		
K71A	645 027 7092	SOCKET,D-SUB 15P
	645 048 2205	SOCKET,D-SUB 15P
K71H	645 041 6071	SOCKET,I/O 176P
K72A	645 040 9974	JACK,RCA-2
K72B	645 041 1076	SOCKET,DIN 8P
X7161	645 006 3459	OSC,CERAMIC 500.0KHZ
X7241	645 024 8566	OSC,CERAMIC 6.00MHZ
	645 037 5217	OSC,CERAMIC 6.00MHZ
X7251	645 021 1218	OSC,CERAMIC 8.00MHZ
	645 037 5187	OSC,CERAMIC 8.00MHZ
X7261	645 021 1218	OSC,CERAMIC 8.00MHZ
	645 037 5187	OSC,CERAMIC 8.00MHZ

CG MOTHER BOARD

Key No.	Part No.	Description
⚠	610 322 8839	ASSY,PWB,CGMOTHER MT8AD
TRANSISTOR		
Q9001	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q9002	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q9003	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q9004	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q9021	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q9027	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q9028	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q9029	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q9030	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
INTEGRATED CIRCUIT		
IC9001	409 438 5510	IC TC4052BFT
IC9002	409 438 5510	IC TC4052BFT
IC9003	409 416 6416	IC BA033FP-E2
	409 410 1011	IC UPC2933T-E1
IC9005	409 451 4118	IC SN74F244NSR
IC9006	409 462 6019	IC AD8185ARUZ-REEL7
IC9007	409 462 6019	IC AD8185ARUZ-REEL7
IC9013	409 438 5510	IC TC4052BFT
IC9014	409 643 3912	IC QS3125QGX
IC9016	409 489 5019	IC TC74VCX04FT
IC9017	409 522 7512	IC TC7SA08FU
IC9021	409 404 6322	IC M62320FP-DF5J
IC9022	409 404 6322	IC M62320FP-DF5J
IC9031	410 464 9707	IC 74VCX162374MTDX(PBF)
IC9032	410 464 9707	IC 74VCX162374MTDX(PBF)
IC9033	410 464 9707	IC 74VCX162374MTDX(PBF)
IC9041	410 466 0504	IC TC74VCX2374FT
IC9091	409 416 6515	IC BA05FP-E2
IC9092	409 416 6515	IC BA05FP-E2
IC9093	409 416 6515	IC BA05FP-E2
IC9094	409 416 6515	IC BA05FP-E2
IC9096	409 461 7829	IC PQ20WZ11
IC9097	409 461 7829	IC PQ20WZ11
IC9098	409 461 7829	IC PQ20WZ11
IC9099	409 461 7829	IC PQ20WZ11
CAPACITOR		
C9002	403 164 0214	CERAMIC 0.1U Z 25V
C9003	403 391 5112	ELECT 100U M 16V
C9004	403 164 0214	CERAMIC 0.1U Z 25V
C9005	403 205 7813	TA-SOLID 2.2U M 16V
	403 385 4916	TA-SOLID 2.2U M 16V
C9006	403 205 7813	TA-SOLID 2.2U M 16V
	403 385 4916	TA-SOLID 2.2U M 16V
C9007	403 205 7813	TA-SOLID 2.2U M 16V
	403 385 4916	TA-SOLID 2.2U M 16V
C9008	403 205 7813	TA-SOLID 2.2U M 16V
	403 385 4916	TA-SOLID 2.2U M 16V
C9009	403 205 7813	TA-SOLID 2.2U M 16V
	403 385 4916	TA-SOLID 2.2U M 16V
C9010	403 164 0214	CERAMIC 0.1U Z 25V
C9011	403 205 7813	TA-SOLID 2.2U M 16V
	403 385 4916	TA-SOLID 2.2U M 16V
C9012	403 205 7813	TA-SOLID 2.2U M 16V
	403 385 4916	TA-SOLID 2.2U M 16V
C9013	403 205 7813	TA-SOLID 2.2U M 16V
	403 385 4916	TA-SOLID 2.2U M 16V
C9014	403 391 5310	ELECT 47U M 6.3V
C9015	403 164 0214	CERAMIC 0.1U Z 25V
C9016	403 391 5310	ELECT 47U M 6.3V
C9017	403 164 0214	CERAMIC 0.1U Z 25V
C9018	403 391 5310	ELECT 47U M 6.3V
C9019	403 164 0214	CERAMIC 0.1U Z 25V
C9020	403 398 2114	ELECT 330U M 6.3V
C9021	403 164 0214	CERAMIC 0.1U Z 25V
C9022	403 164 0214	CERAMIC 0.1U Z 25V
C9023	403 149 9218	CERAMIC 0.01U Z 50V
C9024	403 149 9218	CERAMIC 0.01U Z 50V
C9025	403 149 9218	CERAMIC 0.01U Z 50V
C9026	403 164 0214	CERAMIC 0.1U Z 25V
C9027	403 164 0214	CERAMIC 0.1U Z 25V
C9028	403 391 5310	ELECT 47U M 6.3V
C9029	403 149 9218	CERAMIC 0.01U Z 50V
C9030	403 397 5413	ELECT 470U M 4V
C9031	403 149 9218	CERAMIC 0.01U Z 50V
C9033	403 149 9218	CERAMIC 0.01U Z 50V
C9034	403 391 5310	ELECT 47U M 6.3V
C9035	403 164 0214	CERAMIC 0.1U Z 25V
C9036	403 164 0214	CERAMIC 0.1U Z 25V
C9037	403 164 0214	CERAMIC 0.1U Z 25V
C9038	403 149 9218	CERAMIC 0.01U Z 50V
C9039	403 149 9218	CERAMIC 0.01U Z 50V
C9041	403 149 9218	CERAMIC 0.01U Z 50V
C9042	403 164 0214	CERAMIC 0.1U Z 25V
C9043	403 164 0214	CERAMIC 0.1U Z 25V
C9044	403 391 5310	ELECT 47U M 6.3V
C9045	403 149 9218	CERAMIC 0.01U Z 50V
C9046	403 149 9218	CERAMIC 0.01U Z 50V
C9048	403 149 9218	CERAMIC 0.01U Z 50V
C9049	403 391 5310	ELECT 47U M 6.3V
C9051	403 164 0214	CERAMIC 0.1U Z 25V
C9057	403 393 0016	ELECT 470U M 25V
C9059	403 393 0016	ELECT 470U M 25V
C9061	403 393 0016	ELECT 470U M 25V
C9062	403 393 0016	ELECT 470U M 25V
C9064	403 393 0016	ELECT 470U M 25V
C9065	403 393 0016	ELECT 470U M 25V
C9066	403 391 5310	ELECT 47U M 6.3V
C9067	403 164 0214	CERAMIC 0.1U Z 25V
C9068	403 397 6519	ELECT 47U M 16V
C9069	403 164 0214	CERAMIC 0.1U Z 25V
C9070	403 164 0214	CERAMIC 0.1U Z 25V
C9071	403 164 0214	CERAMIC 0.1U Z 25V
C9072	403 164 0214	CERAMIC 0.1U Z 25V
C9073	403 164 0214	CERAMIC 0.1U Z 25V
C9074	403 164 0214	CERAMIC 0.1U Z 25V
C9075	403 397 6519	ELECT 47U M 16V
C9076	403 397 6519	ELECT 47U M 16V
C9077	403 164 0214	CERAMIC 0.1U Z 25V
C9078	403 397 6519	ELECT 47U M 16V
C9081	403 164 0214	CERAMIC 0.1U Z 25V
C9082	403 345 6615	CERAMIC 1U M 10V

Key No.	Part No.	Description
C9083	403 391 5310	ELECT 47U M 6.3V
C9084	403 164 0214	CERAMIC 0.1U Z 25V
C9086	403 164 0214	CERAMIC 0.1U Z 25V
C9087	403 113 3815	CERAMIC 1000P K 50V
C9089	403 164 0214	CERAMIC 0.1U Z 25V
C9090	403 113 3815	CERAMIC 1000P K 50V
C9091	403 397 5512	ELECT 100U M 6.3V
C9092	403 164 0214	CERAMIC 0.1U Z 25V
C9093	403 397 5512	ELECT 100U M 6.3V
C9094	403 164 0214	CERAMIC 0.1U Z 25V
C9095	403 397 5512	ELECT 100U M 6.3V
C9096	403 164 0214	CERAMIC 0.1U Z 25V
C9097	403 397 5512	ELECT 100U M 6.3V
C9098	403 164 0214	CERAMIC 0.1U Z 25V
C9100	403 164 0214	CERAMIC 0.1U Z 25V
C9101	403 113 3815	CERAMIC 1000P K 50V
C9102	403 164 0214	CERAMIC 0.1U Z 25V
C9103	403 397 5413	ELECT 470U M 4V
RESISTOR		
R9001	401 105 0415	MT-GLAZE 100 JA 1/16W
R9002	401 105 0415	MT-GLAZE 100 JA 1/16W
R9003	401 105 0415	MT-GLAZE 100 JA 1/16W
R9004	401 105 0415	MT-GLAZE 100 JA 1/16W
R9005	401 105 0415	MT-GLAZE 100 JA 1/16W
R9006	401 105 0415	MT-GLAZE 100 JA 1/16W
R9007	401 105 0415	MT-GLAZE 100 JA 1/16W
R9008	401 105 0415	MT-GLAZE 100 JA 1/16W
R9009	401 105 0415	MT-GLAZE 100 JA 1/16W
R9010	401 105 0316	MT-GLAZE 10 JA 1/16W
R9011	401 105 0415	MT-GLAZE 100 JA 1/16W
R9012	401 105 0613	MT-GLAZE 10K JA 1/16W
R9013	401 105 0613	MT-GLAZE 10K JA 1/16W
R9014	401 105 0613	MT-GLAZE 10K JA 1/16W
R9015	401 105 0613	MT-GLAZE 10K JA 1/16W
R9016	401 105 0613	MT-GLAZE 10K JA 1/16W
R9017	401 105 0613	MT-GLAZE 10K JA 1/16W
R9018	401 105 0613	MT-GLAZE 10K JA 1/16W
R9019	401 105 0613	MT-GLAZE 10K JA 1/16W
R9020	401 105 0613	MT-GLAZE 10K JA 1/16W
R9021	401 105 0613	MT-GLAZE 10K JA 1/16W
R9022	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9023	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9024	401 105 0613	MT-GLAZE 10K JA 1/16W
R9025	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9026	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9027	401 105 0415	MT-GLAZE 100 JA 1/16W
R9028	401 105 0712	MT-GLAZE 100K JA 1/16W
R9029	401 105 0415	MT-GLAZE 100 JA 1/16W
R9030	401 105 0613	MT-GLAZE 10K JA 1/16W
R9031	401 105 0712	MT-GLAZE 100K JA 1/16W
R9032	401 105 0415	MT-GLAZE 100 JA 1/16W
R9033	401 105 0712	MT-GLAZE 100K JA 1/16W
R9034	401 105 0415	MT-GLAZE 100 JA 1/16W
R9035	401 105 0712	MT-GLAZE 100K JA 1/16W
R9036	401 105 0712	MT-GLAZE 100K JA 1/16W
R9037	401 105 0415	MT-GLAZE 100 JA 1/16W
R9038	401 105 0712	MT-GLAZE 100K JA 1/16W
R9039	401 105 0415	MT-GLAZE 100 JA 1/16W
R9040	401 105 0613	MT-GLAZE 10K JA 1/16W
R9041	401 105 0712	MT-GLAZE 100K JA 1/16W
R9042	401 105 0415	MT-GLAZE 100 JA 1/16W
R9043	401 105 0712	MT-GLAZE 100K JA 1/16W
R9044	401 105 0415	MT-GLAZE 100 JA 1/16W
R9047	401 105 0613	MT-GLAZE 10K JA 1/16W
R9048	401 105 0613	MT-GLAZE 10K JA 1/16W
R9049	401 105 0613	MT-GLAZE 10K JA 1/16W
R9050	401 105 0613	MT-GLAZE 10K JA 1/16W
R9051	401 105 0613	MT-GLAZE 10K JA 1/16W
R9052	401 105 0712	MT-GLAZE 100K JA 1/16W
R9053	401 105 0415	MT-GLAZE 100 JA 1/16W
R9054	401 105 0712	MT-GLAZE 100K JA 1/16W
R9055	401 105 0415	MT-GLAZE 100 JA 1/16W
R9056	401 105 0712	MT-GLAZE 100K JA 1/16W
R9057	401 105 0415	MT-GLAZE 100 JA 1/16W
R9058	401 105 0712	MT-GLAZE 100K JA 1/16W
R9059	401 105 0415	MT-GLAZE 100 JA 1/16W
R9063	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9064	401 105 0415	MT-GLAZE 100 JA 1/16W
R9065	401 105 0415	MT-GLAZE 100 JA 1/16W
R9066	401 105 0613	MT-GLAZE 10K JA 1/16W
R9067	401 105 0613	MT-GLAZE 10K JA 1/16W
R9068	401 105 0613	MT-GLAZE 10K JA 1/16W
R9069	401 105 0613	MT-GLAZE 10K JA 1/16W
R9070	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9071	401 105 0613	MT-GLAZE 10K JA 1/16W
R9072	401 105 0613	MT-GLAZE 10K JA 1/16W
R9074	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9075	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9076	401 113 5716	MT-GLAZE 910 JA 1/16W
R9077	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9078	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9079	401 113 5716	MT-GLAZE 910 JA 1/16W
R9080	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9081	401 113 4412	MT-GLAZE 75 JA 1/16W
R9082	401 105 4413	MT-GLAZE 39 JA 1/16W
R9083	401 113 4412	MT-GLAZE 75 JA 1/16W
R9084	401 105 4413	MT-GLAZE 39 JA 1/16W
R9085	401 113 4412	MT-GLAZE 75 JA 1/16W
R9086	401 105 4413	MT-GLAZE 39 JA 1/16W
R9087	401 113 4412	MT-GLAZE 75 JA 1/16W
R9088	401 105 4413	MT-GLAZE 39 JA 1/16W
R9089	401 113 4412	MT-GLAZE 75 JA 1/16W
R9090	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9091	401 105 4413	MT-GLAZE 39 JA 1/16W
R9092	401 113 4412	MT-GLAZE 75 JA 1/16W
R9093	401 105 4413	MT-GLAZE 39 JA 1/16W
R9094	401 105 1818	MT-GLAZE 18 JA 1/16W
R9095	401 105 1818	MT-GLAZE 18 JA 1/16W
R9096	401 105 4413	MT-GLAZE 39 JA 1/16W
R9097	401 105 1818	MT-GLAZE 18 JA 1/16W
R9098	401 105 1818	MT-GLAZE 18 JA 1/16W
R9099	401 105 4413	MT-GLAZE 39 JA 1/16W
R9101	401 105 1818	MT-GLAZE 18 JA 1/16W
R9102	401 105 1818	MT-GLAZE 18 JA 1/16W
R9103	401 105 1818	MT-GLAZE 18 JA 1/16W
R9104	401 105 4413	MT-GLAZE 39 JA 1/16W
R9105	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9107	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9108	401 105 0316	MT-GLAZE 10 JA 1/16W
R9111	401 113 4412	MT-GLAZE 75 JA 1/16W
R9112	401 105 4413	MT-GLAZE 39 JA 1/16W
R9113	401 113 4412	MT-GLAZE 75 JA 1/16W
R9114	401 105 4413	MT-GLAZE 39 JA 1/16W
R9115	401 113 4412	MT-GLAZE 75 JA 1/16W
R9116	401 105 4413	MT-GLAZE 39 JA 1/16W
R9117	401 113 4412	MT-GLAZE 75 JA 1/16W
R9118	401 105 4413	MT-GLAZE 39 JA 1/16W
R9119	401 113 4412	MT-GLAZE 75 JA 1/16W
R9121	401 105 4413	MT-GLAZE 39 JA 1/16W
R9122	401 113 4412	MT-GLAZE 75 JA 1/16W
R9123	401 105 4413	MT-GLAZE 39 JA 1/16W
R9124	401 105 1818	MT-GLAZE 18 JA 1/16W
R9125	401 105 1818	MT-GLAZE 18 JA 1/16W
R9126	401 105 4413	MT-GLAZE 39 JA 1/16W
R9127	401 105 1818	MT-GLAZE 18 JA 1/16W
R9128	401 105 1818	MT-GLAZE 18 JA 1/16W
R9129	401 105 4413	MT-GLAZE 39 JA 1/16W
R9131	401 105 1818	MT-GLAZE 18 JA 1/16W
R9132	401 105 1818	MT-GLAZE 18 JA 1/16W
R9133	401 105 1818	MT-GLAZE 18 JA 1/16W
R9134	401 105 4413	MT-GLAZE 39 JA 1/16W
R9135	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9137	401 105 0613	MT-GLAZE 10K JA 1/16W
R9138	401 105 0613	MT-GLAZE 10K JA 1/16W
R9139	401 105 0316	MT-GLAZE 10 JA 1/16W
R9141	401 105 0613	MT-GLAZE 10K JA 1/16W
R9161	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9162	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9163	401 113 5716	MT-GLAZE 910 JA 1/16W
R9164	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9165	401 105 2815	MT-GLAZE 2.2K JA 1/16W
R9166	401 113 5716	MT-GLAZE 910 JA 1/16W
R9171	401 105 0415	MT-GLAZE 100 JA 1/16W
R9172	401 105 0415	MT-GLAZE 100 JA 1/16W
R9174	401 105 0415	MT-GLAZE 100 JA 1/16W
R9175	401 105 0415	MT-GLAZE 100 JA 1/16W

Key No.	Part No.	Description
R9176	401 105 0415	MT-GLAZE 100 JA 1/16W
R9177	401 105 0415	MT-GLAZE 100 JA 1/16W
R9183	401 105 0613	MT-GLAZE 10K JA 1/16W
R9184	401 105 0613	MT-GLAZE 10K JA 1/16W
R9185	401 105 0613	MT-GLAZE 10K JA 1/16W
R9186	401 105 0613	MT-GLAZE 10K JA 1/16W
R9187	401 105 0613	MT-GLAZE 10K JA 1/16W
R9188	401 105 0613	MT-GLAZE 10K JA 1/16W
R9189	401 105 0613	MT-GLAZE 10K JA 1/16W
R9191	401 105 0613	MT-GLAZE 10K JA 1/16W
R9195	401 035 4316	MT-GLAZE 10 JA 1/8W
R9196	401 035 4316	MT-GLAZE 10 JA 1/8W
R9501	401 105 0613	MT-GLAZE 10K JA 1/16W
R9502	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9503	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9504	401 105 0613	MT-GLAZE 10K JA 1/16W
R9505	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9506	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9507	401 105 0415	MT-GLAZE 100 JA 1/16W
R9508	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9509	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9510	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9511	401 105 0613	MT-GLAZE 10K JA 1/16W
R9512	401 105 0613	MT-GLAZE 10K JA 1/16W
R9513	401 105 0613	MT-GLAZE 10K JA 1/16W
R9514	401 105 0316	MT-GLAZE 10 JA 1/16W
R9515	401 105 0415	MT-GLAZE 100 JA 1/16W
R9516	401 105 0415	MT-GLAZE 100 JA 1/16W
R9517	401 105 0415	MT-GLAZE 100 JA 1/16W
R9518	401 105 0415	MT-GLAZE 100 JA 1/16W
R9519	401 105 0415	MT-GLAZE 100 JA 1/16W
R9520	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9521	401 105 0415	MT-GLAZE 100 JA 1/16W
R9522	401 105 0415	MT-GLAZE 100 JA 1/16W
R9523	401 105 0613	MT-GLAZE 10K JA 1/16W
R9524	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9525	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9526	401 105 0613	MT-GLAZE 10K JA 1/16W
R9527	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9528	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9529	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9530	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9531	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9532	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9533	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R9535	401 105 2617	MT-GLAZE 22 JA 1/16W
R9537	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
DIODE		
D9004	407 190 4116	DIODE SFPL-52V
D9011	407 221 7116	ZENER DIODE UDZS-TE-1712B
D9013	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D9014	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D9021	407 190 4116	DIODE SFPL-52V
MISCELLANEOUS		
K90A	645 040 6775	SOCKET,PWB 40P
K90B	645 040 6775	SOCKET,PWB 40P
K90C	645 041 6064	PLUG,I/O 176P
K90D	645 041 6064	PLUG,I/O 176P
K90E	645 041 6064	PLUG,I/O 176P
K90F	645 041 6064	PLUG,I/O 176P
K90K	645 009 8390	PLUG,ANT 2P
K90L	645 009 8390	PLUG,ANT 2P
K90M	645 009 8390	PLUG,ANT 2P

SENSOR BOARD

⚠	610 322 8600	ASSY,PWB,SENSOR MT8AD
INTEGRATED CIRCUIT		
IC5801	409 481 8612	IC LM76CHMX-5
CAPACITOR		
C5801	403 164 0214	CERAMIC 0.1U Z 25V
C5802	403 391 5518	ELECT 10U M 16V
RESISTOR		
R5802	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R5803	401 105 0613	MT-GLAZE 10K JA 1/16W
R5805	401 105 0613	MT-GLAZE 10K JA 1/16W
R5807	401 105 0415	MT-GLAZE 100 JA 1/16W
R5808	401 105 0415	MT-GLAZE 100 JA 1/16W

RS232C BOARD

⚠	610 330 5011	ASSY,PWB,RS232C KF6A
TRANSISTOR		
Q3851	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
INTEGRATED CIRCUIT		
IC3801	409 380 6313	IC HIN232CBZ
	409 273 3531	IC SP232ACT-L
IC3803	409 380 6313	IC HIN232CBZ
	409 273 3531	IC SP232ACT-L
IC3804	409 438 5619	IC TC74ACT08FT
CAPACITOR		
C3851	403 398 6112	ELECT 1U M 50V
C3852	403 398 6112	ELECT 1U M 50V
C3853	403 398 6112	ELECT 1U M 50V
C3854	403 398 6112	ELECT 1U M 50V
C3855	403 283 6319	CERAMIC 1U Z 10V
C3856	403 391 5310	ELECT 47U M 6.3V
C3857AM	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
C3858AM	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
C3859	403 398 6112	ELECT 1U M 50V
C3861	403 398 6112	ELECT 1U M 50V
C3862	403 398 6112	ELECT 1U M 50V
C3863	403 398 6112	ELECT 1U M 50V
C3864	403 391 5310	ELECT 47U M 6.3V
C3865	403 283 6319	CERAMIC 1U Z 10V
C3866	403 391 5310	ELECT 47U M 6.3V
C3867	403 283 6319	CERAMIC 1U Z 10V
RESISTOR		
R3851	401 105 0415	MT-GLAZE 100 JA 1/16W
R3852	401 105 0415	MT-GLAZE 100 JA 1/16W
R3855	401 105 0415	MT-GLAZE 100 JA 1/16W
R3856	401 105 0613	MT-GLAZE 10K JA 1/16W
R3857	401 105 4017	MT-GLAZE 330 JA 1/16W
R3858	401 105 0415	MT-GLAZE 100 JA 1/16W
R3859	401 105 0415	MT-GLAZE 100 JA 1/16W
R3861	401 105 5519	MT-GLAZE 470K JA 1/16W
R3862	401 105 5519	MT-GLAZE 470K JA 1/16W
R3863	401 105 0415	MT-GLAZE 100 JA 1/16W
R3864	401 105 0415	MT-GLAZE 100 JA 1/16W
R3865	401 105 0415	MT-GLAZE 100 JA 1/16W
R3866	401 105 0415	MT-GLAZE 100 JA 1/16W
R3868	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3869	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3871	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3872	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3873	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3874	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3877	401 105 0415	MT-GLAZE 100 JA 1/16W
R3878	401 105 0415	MT-GLAZE 100 JA 1/16W
R3882	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3883	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3884	401 105 0415	MT-GLAZE 100 JA 1/16W
R3885	401 105 0415	MT-GLAZE 100 JA 1/16W
R3886	401 105 0613	MT-GLAZE 10K JA 1/16W
R3887	401 105 0613	MT-GLAZE 10K JA 1/16W
R3888	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3890	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3892	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
R3894	401 105 7919	MT-GLAZE 0.000 ZA 1/16W
COIL		
L3851	645 014 2659	FILTER,EMI 10MHZ
L3852	645 014 2659	FILTER,EMI 10MHZ
L3853	645 014 2659	FILTER,EMI 10MHZ
L3854	645 014 2659	FILTER,EMI 10MHZ
L3855	645 014 2659	FILTER,EMI 10MHZ
L3856	645 014 2659	FILTER,EMI 10MHZ
L3857	645 062 2823	INDUCTOR,3.3U M
L3858	645 014 2659	FILTER,EMI 10MHZ
L3859	645 014 2659	FILTER,EMI 10MHZ
DIODE		

Key No.	Part No.	Description
D3851	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3852	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3853	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3854	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3855	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3856	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3857	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3858	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3859	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3861	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3862	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3863	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3866	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D3867	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D3868	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D3869	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3871	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3872	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3873	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3874	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D3875	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D3876	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3877	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3878	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3879	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3881	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3882	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3883	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3884	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3886	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D3887	407 149 0817	DIODE 1SS355-TE-17
MISCELLANEOUS		
IC3802	408 014 9703	PC CNY17F-3OPT1+6
	408 016 8803	PC PC113 (VDE0884)
K38A	645 027 8778	PLUG,D-SUB 9P
K38B	645 027 8778	PLUG,D-SUB 9P
K38C	645 028 0382	SOCKET,USB 4P
K38D	645 000 2571	JACK,PHONE D8.0
K38E	645 044 8263	JACK,RCA-2
SW3801	645 042 8197	SWITCH,PUSH 1P-1TX1

DVI BOARD

⚠	610 324 8080	ASSY,PWB,DVI KF6A
TRANSISTOR		
Q8001	405 045 8725	TR 2SK536-TB
Q8002	405 045 8725	TR 2SK536-TB
Q8041	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q8051	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q8061	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q8071	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q8081	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q8091	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q8101	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q8102	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
INTEGRATED CIRCUIT		
IC8015	409 462 2318	IC TC7SZ04FU-TE852
IC8016	409 462 2318	IC TC7SZ04FU-TE852
IC8017	409 462 2318	IC TC7SZ04FU-TE852
IC8020	410 391 2109	IC TC74VCX374FT(EL)
IC8021	409 484 2013	IC BA7078AF-E2
IC8031	410 343 7008	IC SN74AHCT1G14DBVR
IC8032	410 343 7008	IC SN74AHCT1G14DBVR
IC8033	410 343 7008	IC SN74AHCT1G14DBVR
IC8034	409 400 7115	IC TC7W53FU-(TE12L)
IC8035	409 400 7115	IC TC7W53FU-(TE12L)
IC8041	409 441 8416	IC LA7217M-T-TRM
IC8051	409 643 3912	IC QS3125QGX
IC8061	409 461 7314	IC AD8057ARTZ-REEL7
IC8062	409 461 7314	IC AD8057ARTZ-REEL7
IC8063	409 461 7314	IC AD8057ARTZ-REEL7
IC8064	410 343 7008	IC SN74AHCT1G14DBVR
IC8065	410 343 7008	IC SN74AHCT1G14DBVR
IC8071	410 401 7506	IC TC74VCX16374FT
IC8072	410 401 7506	IC TC74VCX16374FT
IC8073	410 401 7506	IC TC74VCX16374FT
IC8141	409 380 6313	IC HIN232CBZ
	409 273 3531	IC SP232ACT-L
IC8151	410 296 5700	IC TWM7000-151020
IC8152	410 275 5806	IC TWM7000-162020
	410 275 5707	IC TWM7000-162020
IC8161	409 152 5414	IC TC7S08F-TE85L
IC8171	409 395 5912	IC TC7SH00FU-(TE85L)
IC8172	409 416 6515	IC BA05FP-E2
IC8181	409 404 6322	IC M62320FP-DF5J
IC8182	409 404 6322	IC M62320FP-DF5J
IC8191	409 505 6112	IC MD1222N
IC8193	409 487 5813	IC 24C01CT/SN
IC8194	410 517 6806	IC TC74LVX4053FT
IC8195	409 558 7210	IC 24C02CT-I/SNG
IC8196	410 517 6806	IC TC74LVX4053FT
IC8197	410 517 6806	IC TC74LVX4053FT
IC8198	409 339 3615	IC 24LC16BT-I/SNG
IC8199	409 672 9015	IC PCA9544APW
CAPACITOR		
C8001	403 397 5413	ELECT 470U M 4V
C8002	403 164 0214	CERAMIC 0.1U Z 25V
C8003	403 397 5413	ELECT 470U M 4V
C8004	403 164 0214	CERAMIC 0.1U Z 25V
C8005	403 157 3611	CERAMIC 100P J 50V
C8006	403 157 3611	CERAMIC 100P J 50V
C8007	403 157 3611	CERAMIC 100P J 50V
C8008	403 157 3611	CERAMIC 100P J 50V
C8009	403 164 0214	CERAMIC 0.1U Z 25V
C8010	403 164 0214	CERAMIC 0.1U Z 25V
C8011	403 397 5413	ELECT 470U M 4V
C8012	403 157 3611	CERAMIC 100P J 50V
C8013	403 397 5413	ELECT 470U M 4V
C8014	403 164 0214	CERAMIC 0.1U Z 25V
C8015	403 155 1510	CERAMIC 180P J 50V
C8016	403 169 2817	CERAMIC 330P J 50V
C8017	403 169 2817	CERAMIC 330P J 50V
C8018	403 155 1510	CERAMIC 180P J 50V
C8019	403 169 2817	CERAMIC 330P J 50V
C8021	403 169 2817	CERAMIC 330P J 50V
C8022	403 155 1510	CERAMIC 180P J 50V
C8023	403 164 0214	CERAMIC 0.1U Z 25V
C8024	403 397 5413	ELECT 470U M 4V
C8025	403 169 2817	CERAMIC 330P J 50V
C8026	403 397 8810	NP-ELECT 4.7U M 16V
C8028	403 397 8919	NP-ELECT 0.1U M 50V
C8029	403 398 6112	ELECT 1U M 50V
C8030	403 164 0214	CERAMIC 0.1U Z 25V

Key No.	Part No.	Description	Key No.	Part No.	Description
C8032	403 397 9015	NP-ELECT 1.0U M 50V	R8003	401 256 1712	MT-GLAZE 33K JA 1/10W
C8033	403 398 6518	ELECT 2.2U M 50V	R8004	401 256 1712	MT-GLAZE 33K JA 1/10W
C8034	403 398 6112	ELECT 1U M 50V	R8005	401 256 1712	MT-GLAZE 33K JA 1/10W
C8035	403 157 3611	CERAMIC 100P J 50V	R8006	401 256 1712	MT-GLAZE 33K JA 1/10W
C8036	403 164 0214	CERAMIC 0.1U Z 25V	R8007	401 256 1712	MT-GLAZE 33K JA 1/10W
C8037	403 398 2114	ELECT 330U M 6.3V	R8009	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8038	403 164 0214	CERAMIC 0.1U Z 25V	R8010	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8041	403 397 8513	NP-ELECT 10U M 10V	R8011	401 255 6510	MT-GLAZE 100 JA 1/10W
C8043	403 164 0214	CERAMIC 0.1U Z 25V	R8012	401 255 8118	MT-GLAZE 5.1K JA 1/10W
C8044	403 397 9015	NP-ELECT 1.0U M 50V	R8013	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8045	403 308 2111	CERAMIC 0.056U K 16V	R8014	401 256 5611	MT-GLAZE 47 JA 1/10W
C8046	403 215 2914	CERAMIC 0.022U K 25V	R8015	401 256 5611	MT-GLAZE 47 JA 1/10W
C8047	403 157 6919	CERAMIC 820P K 50V	R8017	401 256 5611	MT-GLAZE 47 JA 1/10W
C8048	403 215 2211	CERAMIC 0.01U K 50V	R8018	401 256 5611	MT-GLAZE 47 JA 1/10W
C8049	403 398 6112	ELECT 1U M 50V	R8021	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8050	403 164 0214	CERAMIC 0.1U Z 25V	R8023	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8052	403 164 0214	CERAMIC 0.1U Z 25V	R8024	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8053	403 164 0214	CERAMIC 0.1U Z 25V	R8025	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8061	403 164 0214	CERAMIC 0.1U Z 25V	R8026	401 150 5915	MT-GLAZE 10K JA 1/10W
C8063	403 164 0214	CERAMIC 0.1U Z 25V	R8028	401 255 6510	MT-GLAZE 100 JA 1/10W
C8064	403 157 1914	CERAMIC 10P D 50V	R8029	401 255 6015	MT-GLAZE 1M JA 1/10W
C8065	403 157 3116	CERAMIC 56P J 50V	R8030	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8070	403 397 5413	ELECT 470U M 4V	R8031	401 256 7615	MT-GLAZE 3.9K JA 1/10W
C8072	403 157 1914	CERAMIC 10P D 50V	R8032	401 255 6510	MT-GLAZE 100 JA 1/10W
C8073	403 164 0214	CERAMIC 0.1U Z 25V	R8033	401 255 6510	MT-GLAZE 100 JA 1/10W
C8075	403 157 3116	CERAMIC 56P J 50V	R8034	401 255 6510	MT-GLAZE 100 JA 1/10W
C8076	403 164 0214	CERAMIC 0.1U Z 25V	R8035	401 255 6510	MT-GLAZE 100 JA 1/10W
C8077	403 164 0214	CERAMIC 0.1U Z 25V	R8036	401 255 6510	MT-GLAZE 100 JA 1/10W
C8079	403 164 0214	CERAMIC 0.1U Z 25V	R8037	401 255 6510	MT-GLAZE 100 JA 1/10W
C8082	403 157 1914	CERAMIC 10P D 50V	R8038	401 150 5915	MT-GLAZE 10K JA 1/10W
C8085	403 157 3116	CERAMIC 56P J 50V	R8039	401 255 6015	MT-GLAZE 1M JA 1/10W
C8086	403 164 0214	CERAMIC 0.1U Z 25V	R8041	401 255 6114	MT-GLAZE 20K JA 1/10W
C8088	403 164 0214	CERAMIC 0.1U Z 25V	R8042	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8091	403 397 8513	NP-ELECT 10U M 10V	R8043	401 255 9719	MT-GLAZE 82K JA 1/10W
C8092	403 397 8513	NP-ELECT 10U M 10V	R8044	401 150 6219	MT-GLAZE 1K JA 1/10W
C8093	403 155 1510	CERAMIC 180P J 50V	R8045	401 256 3518	MT-GLAZE 150K JA 1/10W
C8094	403 146 0515	CERAMIC 1200P K 50V	R8046	401 255 6510	MT-GLAZE 100 JA 1/10W
C8101	403 391 5518	ELECT 10U M 16V	R8048	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8102	403 391 5518	ELECT 10U M 16V	R8049	401 162 4012	MT-GLAZE 560 JA 1/10W
C8103	403 398 3814	ELECT 220U M 16V	R8050	401 256 7615	MT-GLAZE 3.9K JA 1/10W
C8104	403 164 0214	CERAMIC 0.1U Z 25V	R8051	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8132	403 164 0214	CERAMIC 0.1U Z 25V	R8052	401 256 5611	MT-GLAZE 47 JA 1/10W
C8133	403 164 0214	CERAMIC 0.1U Z 25V	R8053	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8141	403 391 5310	ELECT 47U M 6.3V	R8054	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8142	403 398 6112	ELECT 1U M 50V	R8056	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8143	403 398 6112	ELECT 1U M 50V	R8057	401 150 5915	MT-GLAZE 10K JA 1/10W
C8144	403 398 6112	ELECT 1U M 50V	R8058	401 256 1712	MT-GLAZE 33K JA 1/10W
C8145	403 398 6112	ELECT 1U M 50V	R8059	401 150 5915	MT-GLAZE 10K JA 1/10W
C8151	403 398 6112	ELECT 1U M 50V	R8060	401 150 5915	MT-GLAZE 10K JA 1/10W
C8152	403 164 0214	CERAMIC 0.1U Z 25V	R8061	401 256 2719	MT-GLAZE 75 JA 1/10W
C8153	403 398 2114	ELECT 330U M 6.3V	R8063	401 256 7516	MT-GLAZE 390 JA 1/10W
C8154	403 164 0214	CERAMIC 0.1U Z 25V	R8064	401 150 6219	MT-GLAZE 1K JA 1/10W
C8156	403 164 0214	CERAMIC 0.1U Z 25V	R8066	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8157	403 391 5310	ELECT 47U M 6.3V	R8067	401 150 5915	MT-GLAZE 10K JA 1/10W
C8158	403 164 0214	CERAMIC 0.1U Z 25V	R8071	401 256 2719	MT-GLAZE 75 JA 1/10W
C8171	403 398 2114	ELECT 330U M 6.3V	R8073	401 256 7516	MT-GLAZE 390 JA 1/10W
C8172	403 164 0214	CERAMIC 0.1U Z 25V	R8075	401 150 6219	MT-GLAZE 1K JA 1/10W
C8175	403 164 0214	CERAMIC 0.1U Z 25V	R8076	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8176	403 398 2114	ELECT 330U M 6.3V	R8077	401 150 5915	MT-GLAZE 10K JA 1/10W
C8177	403 164 0214	CERAMIC 0.1U Z 25V	R8078	401 150 5816	MT-GLAZE 100K JA 1/10W
C8178	403 398 2114	ELECT 330U M 6.3V	R8079	401 150 5816	MT-GLAZE 100K JA 1/10W
C8181	403 164 0214	CERAMIC 0.1U Z 25V	R8081	401 256 2719	MT-GLAZE 75 JA 1/10W
C8182	403 164 0214	CERAMIC 0.1U Z 25V	R8083	401 256 7516	MT-GLAZE 390 JA 1/10W
C8188	403 164 0214	CERAMIC 0.1U Z 25V	R8085	401 150 6219	MT-GLAZE 1K JA 1/10W
C8189	403 164 0214	CERAMIC 0.1U Z 25V	R8086	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8190	403 164 0214	CERAMIC 0.1U Z 25V	R8087	401 150 5915	MT-GLAZE 10K JA 1/10W
C8191	403 205 2818	CERAMIC 0.047U K 25V	R8090	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8192	403 113 3815	CERAMIC 1000P K 50V	R8091	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8193	403 397 7417	ELECT 330U M 16V	R8092	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8194	403 215 2211	CERAMIC 0.01U K 50V	R8093	401 150 6219	MT-GLAZE 1K JA 1/10W
C8195	403 397 7417	ELECT 330U M 16V	R8094	401 150 5915	MT-GLAZE 10K JA 1/10W
C8196	403 164 0214	CERAMIC 0.1U Z 25V	R8095	401 256 5611	MT-GLAZE 47 JA 1/10W
C8197	403 164 0214	CERAMIC 0.1U Z 25V	R8096	401 256 5611	MT-GLAZE 47 JA 1/10W
C8198	403 113 3815	CERAMIC 1000P K 50V	R8097	401 256 5611	MT-GLAZE 47 JA 1/10W
RESISTOR			R8098	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8000	401 256 1712	MT-GLAZE 33K JA 1/10W	R8101	401 162 3817	MT-GLAZE 470K JA 1/10W
R8001	401 256 7516	MT-GLAZE 390 JA 1/10W	R8102	401 162 3817	MT-GLAZE 470K JA 1/10W
R8002	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R8103	401 255 6510	MT-GLAZE 100 JA 1/10W

Key No.	Part No.	Description
R8104	401 255 6510	MT-GLAZE 100 JA 1/10W
R8105	401 255 9511	MT-GLAZE 220K JA 1/10W
R8106	401 255 9511	MT-GLAZE 220K JA 1/10W
R8107	401 255 9511	MT-GLAZE 220K JA 1/10W
R8108	401 255 9511	MT-GLAZE 220K JA 1/10W
R8109	401 255 6510	MT-GLAZE 100 JA 1/10W
R8111	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R8112	401 255 6510	MT-GLAZE 100 JA 1/10W
R8113	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R8114	401 255 6510	MT-GLAZE 100 JA 1/10W
R8115	401 255 6510	MT-GLAZE 100 JA 1/10W
R8117	401 256 1712	MT-GLAZE 33K JA 1/10W
R8118	401 256 1712	MT-GLAZE 33K JA 1/10W
R8120	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8121	401 150 5915	MT-GLAZE 10K JA 1/10W
R8122	401 256 1712	MT-GLAZE 33K JA 1/10W
R8129	401 150 5915	MT-GLAZE 10K JA 1/10W
R8131	401 150 5915	MT-GLAZE 10K JA 1/10W
R8132	401 150 5915	MT-GLAZE 10K JA 1/10W
R8133	401 150 5915	MT-GLAZE 10K JA 1/10W
R8134	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8135	401 150 5915	MT-GLAZE 10K JA 1/10W
R8136	401 150 5915	MT-GLAZE 10K JA 1/10W
R8138	401 150 5915	MT-GLAZE 10K JA 1/10W
R8139	401 150 5915	MT-GLAZE 10K JA 1/10W
R8140	401 150 5915	MT-GLAZE 10K JA 1/10W
R8141	401 150 5915	MT-GLAZE 10K JA 1/10W
R8143	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8144	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8145	401 150 5915	MT-GLAZE 10K JA 1/10W
R8146	401 150 5915	MT-GLAZE 10K JA 1/10W
R8147	401 150 5915	MT-GLAZE 10K JA 1/10W
R8148	401 150 5915	MT-GLAZE 10K JA 1/10W
R8150	401 256 1712	MT-GLAZE 33K JA 1/10W
R8151	401 150 5915	MT-GLAZE 10K JA 1/10W
R8152	401 150 5915	MT-GLAZE 10K JA 1/10W
R8153	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8154	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8155	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8156	401 150 5915	MT-GLAZE 10K JA 1/10W
R8157	401 150 5915	MT-GLAZE 10K JA 1/10W
R8158	401 255 6510	MT-GLAZE 100 JA 1/10W
R8159	401 150 5915	MT-GLAZE 10K JA 1/10W
R8161	401 150 5915	MT-GLAZE 10K JA 1/10W
R8162	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R8164	401 150 5915	MT-GLAZE 10K JA 1/10W
R8165	401 150 5915	MT-GLAZE 10K JA 1/10W
R8166	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8167	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8168	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8169	401 150 5915	MT-GLAZE 10K JA 1/10W
R8171	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8172	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8173	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8177	401 255 6510	MT-GLAZE 100 JA 1/10W
R8179	401 150 5915	MT-GLAZE 10K JA 1/10W
R8180	401 150 6219	MT-GLAZE 1K JA 1/10W
R8183	401 150 5915	MT-GLAZE 10K JA 1/10W
R8184	401 150 5915	MT-GLAZE 10K JA 1/10W
R8185	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8187	401 265 5619	MT-GLAZE 820 FA 1/10W
R8188	401 264 6518	MT-GLAZE 2.2K FA 1/10W
R8189	401 150 5915	MT-GLAZE 10K JA 1/10W
R8190	401 255 6510	MT-GLAZE 100 JA 1/10W
R8191	401 255 6510	MT-GLAZE 100 JA 1/10W
R8192	401 150 5915	MT-GLAZE 10K JA 1/10W
R8193	401 150 5915	MT-GLAZE 10K JA 1/10W
R8194	401 290 1518	MT-GLAZE 0.1 JE 1/2W
R8195	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8196	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8197	401 255 6015	MT-GLAZE 1M JA 1/10W
R8198	401 150 5816	MT-GLAZE 100K JA 1/10W
R8199	401 150 5915	MT-GLAZE 10K JA 1/10W
RB8001	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8002	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8003	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8004	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8005	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8006	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8007	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8008	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8009	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8010	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8011	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8012	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8013	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8014	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8015	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8016	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8021	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8022	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8023	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8024	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8031	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8032	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8033	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB8034	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
COIL		
L8001	645 062 2823	INDUCTOR,3.3U M
L8002	645 062 2823	INDUCTOR,3.3U M
L8003	645 062 2823	INDUCTOR,3.3U M
L8101	645 014 2659	FILTER,EMI 10MHZ
L8102	645 014 2659	FILTER,EMI 10MHZ
L8121	645 014 2659	FILTER,EMI 10MHZ
L8122	645 014 2659	FILTER,EMI 10MHZ
L8123	645 014 2659	FILTER,EMI 10MHZ
L8124	645 014 2659	FILTER,EMI 10MHZ
L8125	645 014 2659	FILTER,EMI 10MHZ
L8126	645 014 2659	FILTER,EMI 10MHZ
L8141	645 014 2659	FILTER,EMI 10MHZ
L8191	645 037 7396	INDUCTOR,22U M
DIODE		
D8061	407 209 1211	ZD UDZS-TE-176.2B
D8062	407 209 1211	ZD UDZS-TE-176.2B
D8071	407 209 1211	ZD UDZS-TE-176.2B
D8072	407 209 1211	ZD UDZS-TE-176.2B
D8081	407 209 1211	ZD UDZS-TE-176.2B
D8082	407 209 1211	ZD UDZS-TE-176.2B
D8091	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D8092	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D8093	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D8094	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D8095	407 149 0817	DIODE 1SS355-TE-17
D8096	407 149 0817	DIODE 1SS355-TE-17
D8101	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8102	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8103	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8104	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8121	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8122	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8123	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8124	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)

Key No.	Part No.	Description
D8125	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8126	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8127	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8128	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D8129	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8141	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8142	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D8175	407 149 0817	DIODE 1SS355-TE-17
D8176	407 149 0817	DIODE 1SS355-TE-17
D8191	407 201 2721	DIODE RB051L-40-TE25
D8192	407 201 2721	DIODE RB051L-40-TE25
D8193	407 149 0817	DIODE 1SS355-TE-17
D8194	407 201 2721	DIODE RB051L-40-TE25
D8195	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D8196	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D8197	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D8198	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
MISCELLANEOUS		
K80A	645 076 2697	SOCKET,DVI 29P
K80H	645 041 6071	SOCKET,I/O 176P
K81A	645 040 9974	JACK,RCA-2
K81B	645 041 1076	SOCKET,DIN 8P
X8041	645 006 3459	OSC,CERAMIC 500.0KHZ
X8151	645 021 1218	OSC,CERAMIC 8.00MHZ
	645 037 5187	OSC,CERAMIC 8.00MHZ
X8152	645 021 1218	OSC,CERAMIC 8.00MHZ
	645 037 5187	OSC,CERAMIC 8.00MHZ
MAiN BOARD		
⚠	610 328 3975	ASSY,PWB,MAIN KF6A
TRANSISTOR		
Q1831	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1832	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1833	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1834	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1871	405 167 6118	TR 2SD2226K-T146-V
Q1872	405 167 6118	TR 2SD2226K-T146-V
Q1873	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1881	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q201	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q211	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q221	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q2302	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q2303	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q2501	405 158 9210	TR IMZ4-T108
Q2502	405 158 9210	TR IMZ4-T108
Q2531	405 158 9210	TR IMZ4-T108
Q2532	405 158 9210	TR IMZ4-T108
Q2561	405 158 9210	TR IMZ4-T108
Q2562	405 158 9210	TR IMZ4-T108
Q271	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q2801	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q2802	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3401	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q3402	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q401	405 045 8725	TR 2SK536-TB
Q402	405 045 8725	TR 2SK536-TB
Q403	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q404	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q4861	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q4862	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q5630	405 206 9216	TR 2SK3817-DL-E
Q5811	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q5841	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB

Key No.	Part No.	Description
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q5851	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q5876	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7805	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7806	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7807	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7821	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7836	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7837	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7841	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7861	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q7881	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q9801	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
INTEGRATED	CIRCUIT	
IC1302	409 301 5319	IC TC7S32FU-TE85L
IC1311	409 339 3615	IC 24LC16BT-I/SNG
IC1331	409 501 9117	IC ICS512MLFT
IC1341	409 501 9117	IC ICS512MLFT
IC1351	410 607 6501	IC S29AL008D70TFI01-0714
IC1352	410 530 3707	IC IC61LV6416-15TG
IC1353	410 321 8300	IC TC74VCX16244FT
IC1354	410 321 8300	IC TC74VCX16244FT
IC1362	409 534 1713	IC SI-3025LSA-TL
IC1363	409 539 8915	IC PQ033EZ01ZP
IC1411	410 386 1902	IC TC74VCX125FT
IC1421	409 499 1810	IC PQ018EZ01ZP
IC1431	410 386 1902	IC TC74VCX125FT

Key No.	Part No.	Description
IC1801	409 605 4612	IC M66501FP-RB0Q
IC1811	409 339 3615	IC 24LC16BT-I/SNG
IC1812	409 428 8425	IC TC7WT125FU-TE12L
IC1821	410 364 6905	IC TC74ACT138FT-EL
IC1822	410 367 1402	IC SN74LVC374APW
IC1823	409 510 2413	IC TC74AC139FT
IC1824	409 301 5319	IC TC7S32FU-TE85L
IC1871	409 390 6221	IC EL2244CS
IC1881	410 315 5506	IC HD74HCT244TV
	410 356 7507	IC SN74HCT244PWR
IC201	409 461 7314	IC AD8057ARTZ-REEL7
IC211	409 461 7314	IC AD8057ARTZ-REEL7
IC2201	410 494 2402	IC AD9888KSZ-170-308
IC221	409 461 7314	IC AD8057ARTZ-REEL7
IC2251	409 416 6416	IC BA033FP-E2
	409 410 1011	IC UPC2933T-E1
IC2261	409 490 8016	IC CXA2151Q
IC2291	409 416 6515	IC BA05FP-E2
IC2301	410 413 0700	IC XC2S200-5FGG256C
IC2302	409 534 1713	IC SI-3025LSA-TL
IC2521	409 394 9317	IC TC7SH14FU(TE85L)
IC2522	409 461 7829	IC PQ20WZ11
IC2523	409 461 7829	IC PQ20WZ11
IC2541	409 481 8612	IC LM76CHMX-5
IC2581	409 394 9317	IC TC7SH14FU(TE85L)
IC2591	409 394 9317	IC TC7SH14FU(TE85L)
IC2801	409 359 1110	IC TC7W240FU-TE12L
IC281	409 357 6622	IC LT1260CS
IC282	409 397 3015	IC TC7SET04FU-(TE85L)
IC301	409 502 4913	IC PW365-20UL
IC3401	409 523 7016	IC PQ05VY3H3ZP
IC3402	409 495 2514	IC SP3232ECY/TR
IC3411	410 402 6300	IC MSM56V16160F-8TS-K
IC401	409 545 7315	IC CXD3531R
IC4201	410 426 8106	IC TC240C4FTB-C006(O)
IC4231	409 444 8710	IC ICS1523MLFT
IC4251	409 534 1713	IC SI-3025LSA-TL
IC4252	410 351 4808	IC LT1587CM-3.3
IC4261	410 401 7506	IC TC74VCX16374FT
IC4271	410 401 7506	IC TC74VCX16374FT
IC4281	410 401 7506	IC TC74VCX16374FT
IC4291	410 401 7407	IC TC74VCX244FT
IC4293	409 573 5720	IC TC7PA04FU(TE85L)
IC4401	410 562 5007	IC EP1S25F672C8N
IC4811	410 325 4605	IC TC74LCX244FT
	410 325 4704	IC HD74LVC244AT
IC4831	410 325 4605	IC TC74LCX244FT
	410 325 4704	IC HD74LVC244AT
IC4832	410 325 4605	IC TC74LCX244FT
	410 325 4704	IC HD74LVC244AT
IC4833	409 458 2315	IC TC7SZ32FU-TE85L
IC4841	410 362 6600	IC TC74ACT541FT
IC4842	410 362 6600	IC TC74ACT541FT
IC4843	410 362 6600	IC TC74ACT541FT
IC4844	410 362 6600	IC TC74ACT541FT
IC4845	410 362 6501	IC TC74LCX541FT
IC4846	410 362 6501	IC TC74LCX541FT
IC4847	410 362 6501	IC TC74LCX541FT
IC4851	409 330 2518	IC TC7SH04FU-(TE85L)
IC4855	410 356 7903	IC SN74AHC1G08HDCK3
IC4861	409 416 6515	IC BA05FP-E2
IC4871	410 325 4605	IC TC74LCX244FT
	410 325 4704	IC HD74LVC244AT
IC4881	410 325 4605	IC TC74LCX244FT
	410 325 4704	IC HD74LVC244AT
IC5641	409 461 7829	IC PQ20WZ11
IC5651	409 461 7829	IC PQ20WZ11
IC5832	409 394 9317	IC TC7SH14FU(TE85L)
IC5833	409 394 9317	IC TC7SH14FU(TE85L)
IC6314	410 457 4207	IC EM638325TS-6
IC6316	410 457 4207	IC EM638325TS-6
IC6317	410 457 4207	IC EM638325TS-6
IC6318	410 457 4207	IC EM638325TS-6
IC6741	410 365 5600	IC SN74LVCC4245APWR
IC6742	410 365 5600	IC SN74LVCC4245APWR
IC6743	409 458 2315	IC TC7SZ32FU-TE85L
IC6751	409 428 8425	IC TC7WT125FU-TE12L
IC6752	410 362 6600	IC TC74ACT541FT

Key No.	Part No.	Description
IC7801	409 428 9610	IC M62399FP-DF0Q
IC7821	409 461 7829	IC PQ20WZ11
IC7841	409 461 7829	IC PQ20WZ11
IC7861	409 461 7829	IC PQ20WZ11
IC7881	409 461 7829	IC PQ20WZ11
IC801	410 607 6402	IC HD64F7045F28-0716
	410 612 6602	IC HD64F7045F28-0716-S
IC802	409 344 1920	IC MN1382-Q-TX
IC803	409 301 5517	IC TC7S08FU(TE85L)
IC8201	410 321 8300	IC TC74VCX16244FT
IC8211	410 321 8300	IC TC74VCX16244FT
IC8221	410 321 8300	IC TC74VCX16244FT
IC8251	410 401 7407	IC TC74VCX244FT
IC8252	409 330 2518	IC TC7SH04FU-(TE85L)
IC8253	409 439 8916	IC TC7WH125FU
IC8254	409 330 2518	IC TC7SH04FU-(TE85L)
IC8261	410 337 0602	IC HD74LVC14T
IC8271	409 522 7512	IC TC7SA08FU
IC871	410 618 8402	IC S29AL016D70TFI02-0715A
IC872	410 365 5600	IC SN74LVCC4245APWR
IC873	410 365 5600	IC SN74LVCC4245APWR
IC874	410 325 4605	IC TC74LCX244FT
	410 325 4704	IC HD74LVC244AT
IC875	410 325 4605	IC TC74LCX244FT
	410 325 4704	IC HD74LVC244AT
IC876	410 325 4605	IC TC74LCX244FT
	410 325 4704	IC HD74LVC244AT
IC887	409 461 7314	IC AD8057ARTZ-REEL7
IC892	410 415 5208	IC M5M51008DFP-70HI
IC893	409 487 5724	IC TC7SZ125FU
IC9801	409 521 4512	IC ML60851DTB
IC9802	409 394 9317	IC TC7SH14FU(TE85L)
IC9821	409 394 9317	IC TC7SH14FU(TE85L)
CAPACITOR		
C1311	403 397 5413	ELECT 470U M 4V
C1312	403 164 0234	CERAMIC 0.1U Z 25V
C1313	403 164 0234	CERAMIC 0.1U Z 25V
C1331	403 157 6612	CERAMIC 470P K 50V
C1332	403 149 9248	CERAMIC 0.01U Z 50V
C1341	403 157 6612	CERAMIC 470P K 50V
C1342	403 149 9248	CERAMIC 0.01U Z 50V
C1351	403 397 5413	ELECT 470U M 4V
C1352	403 164 0234	CERAMIC 0.1U Z 25V
C1354	403 164 0234	CERAMIC 0.1U Z 25V
C1356	403 397 5413	ELECT 470U M 4V
C1357	403 164 0234	CERAMIC 0.1U Z 25V
C1358	403 164 0234	CERAMIC 0.1U Z 25V
C1359	403 164 0234	CERAMIC 0.1U Z 25V
C1361	403 164 0234	CERAMIC 0.1U Z 25V
C1362	403 398 2510	ELECT 100U M 10V
C1363	403 164 0234	CERAMIC 0.1U Z 25V
C1364	403 391 5815	ELECT 100U M 6.3V
C1365	403 397 5413	ELECT 470U M 4V
C1366	403 283 6339	CERAMIC 1U Z 10V
C1367	403 397 5413	ELECT 470U M 4V
C1368	403 164 0234	CERAMIC 0.1U Z 25V
C1369	403 283 6339	CERAMIC 1U Z 10V
C1372	403 164 0234	CERAMIC 0.1U Z 25V
C1376	403 164 0234	CERAMIC 0.1U Z 25V
C1377	403 164 0234	CERAMIC 0.1U Z 25V
C1378	403 164 0234	CERAMIC 0.1U Z 25V
C1379	403 164 0234	CERAMIC 0.1U Z 25V
C1381	403 164 0234	CERAMIC 0.1U Z 25V
C1382	403 164 0234	CERAMIC 0.1U Z 25V
C1411	403 164 0234	CERAMIC 0.1U Z 25V
C1431	403 164 0234	CERAMIC 0.1U Z 25V
C1501	403 398 4118	ELECT 47U M 16V
C1502	403 164 0234	CERAMIC 0.1U Z 25V
C1503	403 398 4118	ELECT 47U M 16V
C1504	403 164 0234	CERAMIC 0.1U Z 25V
C1506	403 164 0234	CERAMIC 0.1U Z 25V
C1507	403 164 0234	CERAMIC 0.1U Z 25V
C1508	403 164 0234	CERAMIC 0.1U Z 25V
C1531	403 164 0234	CERAMIC 0.1U Z 25V
C1532	403 398 4118	ELECT 47U M 16V
C1534	403 164 0234	CERAMIC 0.1U Z 25V
C1536	403 164 0234	CERAMIC 0.1U Z 25V
C1537	403 398 4118	ELECT 47U M 16V
C1538	403 164 0234	CERAMIC 0.1U Z 25V
C1539	403 164 0234	CERAMIC 0.1U Z 25V
C1541	403 164 0234	CERAMIC 0.1U Z 25V
C1542	403 398 4118	ELECT 47U M 16V
C1561	403 398 4118	ELECT 47U M 16V
C1562	403 164 0234	CERAMIC 0.1U Z 25V
C1563	403 398 4118	ELECT 47U M 16V
C1564	403 164 0234	CERAMIC 0.1U Z 25V
C1566	403 164 0234	CERAMIC 0.1U Z 25V
C1567	403 164 0234	CERAMIC 0.1U Z 25V
C1568	403 164 0234	CERAMIC 0.1U Z 25V
C1801	403 164 0234	CERAMIC 0.1U Z 25V
C1802	403 164 0234	CERAMIC 0.1U Z 25V
C1803	403 164 0234	CERAMIC 0.1U Z 25V
C1804	403 398 2114	ELECT 330U M 6.3V
C1811	403 164 0234	CERAMIC 0.1U Z 25V
C1812	403 164 0234	CERAMIC 0.1U Z 25V
C1821	403 164 0234	CERAMIC 0.1U Z 25V
C1822	403 164 0234	CERAMIC 0.1U Z 25V
C1823	403 164 0234	CERAMIC 0.1U Z 25V
C1824	403 164 0234	CERAMIC 0.1U Z 25V
C1851	403 397 8810	NP-ELECT 4.7U M 16V
C1867	403 397 8810	NP-ELECT 4.7U M 16V
C1871	403 157 1914	CERAMIC 10P D 50V
C1872	403 348 5823	CERAMIC 0.47U K 10V
C1873	403 157 1914	CERAMIC 10P D 50V
C1874	403 391 5518	ELECT 10U M 16V
C1876	403 391 5518	ELECT 10U M 16V
C1881	403 164 0234	CERAMIC 0.1U Z 25V
C1890	403 164 0234	CERAMIC 0.1U Z 25V
C1891	403 164 0234	CERAMIC 0.1U Z 25V
C1892	403 164 0234	CERAMIC 0.1U Z 25V
C1893	403 283 6339	CERAMIC 1U Z 10V
C1894	403 283 6339	CERAMIC 1U Z 10V
C1895	403 283 6339	CERAMIC 1U Z 10V
C202	403 164 0234	CERAMIC 0.1U Z 25V
C205	403 157 1914	CERAMIC 10P D 50V
C206	403 164 0234	CERAMIC 0.1U Z 25V
C207	403 397 8414	NP-ELECT 47U M 6.3V
C211	403 157 1914	CERAMIC 10P D 50V
C214	403 157 1716	CERAMIC 8P D 50V
C215	403 157 1716	CERAMIC 8P D 50V
C216	403 157 1716	CERAMIC 8P D 50V
C217	403 397 8414	NP-ELECT 47U M 6.3V
C2201	403 397 5413	ELECT 470U M 4V
C2202	403 164 0234	CERAMIC 0.1U Z 25V
C2203	403 164 0234	CERAMIC 0.1U Z 25V
C2204	401 162 2216	MT-GLAZE 10 JA 1/10W
C2205	403 283 6339	CERAMIC 1U Z 10V
C2206	403 164 0234	CERAMIC 0.1U Z 25V
C2207	403 164 0234	CERAMIC 0.1U Z 25V
C2208	403 283 6339	CERAMIC 1U Z 10V
C2209	403 164 0234	CERAMIC 0.1U Z 25V
C221	403 157 1914	CERAMIC 10P D 50V
C2211	401 162 2216	MT-GLAZE 10 JA 1/10W
C2212	403 283 6339	CERAMIC 1U Z 10V
C2213	403 164 0234	CERAMIC 0.1U Z 25V
C2214	403 164 0234	CERAMIC 0.1U Z 25V
C2215	403 283 6339	CERAMIC 1U Z 10V
C2216	401 162 2216	MT-GLAZE 10 JA 1/10W
C2217	403 283 6339	CERAMIC 1U Z 10V
C2218	403 164 0234	CERAMIC 0.1U Z 25V
C2219	403 283 6339	CERAMIC 1U Z 10V
C2221	403 283 6339	CERAMIC 1U Z 10V
C2222	403 283 6339	CERAMIC 1U Z 10V
C2223	403 283 6339	CERAMIC 1U Z 10V
C2224	403 283 6339	CERAMIC 1U Z 10V
C2225	403 283 6339	CERAMIC 1U Z 10V
C2226	403 157 7213	CERAMIC 3900P K 50V
C2227	403 306 5411	CERAMIC 0.039U K 16V
C2228	403 283 6339	CERAMIC 1U Z 10V
C2229	403 283 6339	CERAMIC 1U Z 10V
C2231	403 283 6339	CERAMIC 1U Z 10V
C2232	403 283 6339	CERAMIC 1U Z 10V
C2233	403 283 6339	CERAMIC 1U Z 10V
C2234	403 283 6339	CERAMIC 1U Z 10V
C2235	403 283 6339	CERAMIC 1U Z 10V
C2236	403 283 6339	CERAMIC 1U Z 10V

Key No.	Part No.	Description		Key No.	Part No.	Description	
C2237	403 283 6339	CERAMIC	1U Z 10V	C2563	403 157 3611	CERAMIC	100P J 50V
C2238	403 157 6612	CERAMIC	470P K 50V	C2581	403 164 0234	CERAMIC	0.1U Z 25V
C2251	403 164 0234	CERAMIC	0.1U Z 25V	C2582	403 391 5112	ELECT	100U M 16V
C2252	403 164 0234	CERAMIC	0.1U Z 25V	C2583	403 164 0234	CERAMIC	0.1U Z 25V
C2253	403 394 1319	ELECT	100U M 6.3V	C2584	403 391 5112	ELECT	100U M 16V
C2254	403 164 0234	CERAMIC	0.1U Z 25V	C2586	403 164 0234	CERAMIC	0.1U Z 25V
C2255	403 394 1319	ELECT	100U M 6.3V	C2587	403 164 0234	CERAMIC	0.1U Z 25V
C2256	403 164 0234	CERAMIC	0.1U Z 25V	C2588	403 397 6212	ELECT	10U M 16V
C2257	403 394 1319	ELECT	100U M 6.3V	C2589	403 164 0234	CERAMIC	0.1U Z 25V
C2260	403 348 5823	CERAMIC	0.47U K 10V	C2591	403 397 6212	ELECT	10U M 16V
C2262	403 348 5823	CERAMIC	0.47U K 10V	C2592	403 164 0234	CERAMIC	0.1U Z 25V
C2263	403 164 0234	CERAMIC	0.1U Z 25V	C2593	403 164 0234	CERAMIC	0.1U Z 25V
C2264	403 394 1319	ELECT	100U M 6.3V	C2594	403 164 0234	CERAMIC	0.1U Z 25V
C2265	403 348 5823	CERAMIC	0.47U K 10V	C2596	403 397 6212	ELECT	10U M 16V
C2266	403 348 5823	CERAMIC	0.47U K 10V	C2597	403 164 0234	CERAMIC	0.1U Z 25V
C2267	403 348 5823	CERAMIC	0.47U K 10V	C2598	403 397 6212	ELECT	10U M 16V
C2268	403 348 5823	CERAMIC	0.47U K 10V	C2599	403 164 0234	CERAMIC	0.1U Z 25V
C2269	403 348 5823	CERAMIC	0.47U K 10V	C2801	403 164 0234	CERAMIC	0.1U Z 25V
C227	403 397 8414	NP-ELECT	47U M 6.3V	C281	403 164 0234	CERAMIC	0.1U Z 25V
C2271	403 348 5823	CERAMIC	0.47U K 10V	C282	403 164 0234	CERAMIC	0.1U Z 25V
C2272	403 348 5823	CERAMIC	0.47U K 10V	C283	403 391 5310	ELECT	47U M 6.3V
C2273	403 348 5823	CERAMIC	0.47U K 10V	C284	403 164 0234	CERAMIC	0.1U Z 25V
C2274	403 348 5823	CERAMIC	0.47U K 10V	C285	403 164 0234	CERAMIC	0.1U Z 25V
C2275	403 348 5823	CERAMIC	0.47U K 10V	C286	403 391 5310	ELECT	47U M 6.3V
C2276	403 348 5823	CERAMIC	0.47U K 10V	C287	403 164 0234	CERAMIC	0.1U Z 25V
C2277	403 348 5823	CERAMIC	0.47U K 10V	C288	403 391 5310	ELECT	47U M 6.3V
C2278	403 348 5823	CERAMIC	0.47U K 10V	C295	403 164 0234	CERAMIC	0.1U Z 25V
C2279	403 348 5823	CERAMIC	0.47U K 10V	C311	403 397 5413	ELECT	470U M 4V
C2281	403 348 5823	CERAMIC	0.47U K 10V	C312	403 164 0234	CERAMIC	0.1U Z 25V
C2282	403 164 0234	CERAMIC	0.1U Z 25V	C313	403 397 5413	ELECT	470U M 4V
C2284	403 348 5823	CERAMIC	0.47U K 10V	C314	403 164 0234	CERAMIC	0.1U Z 25V
C2285	403 348 5823	CERAMIC	0.47U K 10V	C315	403 164 0234	CERAMIC	0.1U Z 25V
C2286	403 348 5823	CERAMIC	0.47U K 10V	C316	403 164 0234	CERAMIC	0.1U Z 25V
C2287	403 155 4214	CERAMIC	15P J 50V	C317	403 164 0234	CERAMIC	0.1U Z 25V
C2288	403 348 5823	CERAMIC	0.47U K 10V	C318	403 164 0234	CERAMIC	0.1U Z 25V
C2289	403 215 2211	CERAMIC	0.01U K 50V	C319	403 164 0234	CERAMIC	0.1U Z 25V
C2290	403 298 9619	CERAMIC	0.1U K 16V	C321	403 164 0234	CERAMIC	0.1U Z 25V
C2291	403 394 1319	ELECT	100U M 6.3V	C322	403 164 0234	CERAMIC	0.1U Z 25V
C2292	403 164 0234	CERAMIC	0.1U Z 25V	C323	403 164 0234	CERAMIC	0.1U Z 25V
C2301	403 164 0234	CERAMIC	0.1U Z 25V	C324	403 164 0234	CERAMIC	0.1U Z 25V
C2302	403 164 0234	CERAMIC	0.1U Z 25V	C326	403 164 0234	CERAMIC	0.1U Z 25V
C2303	403 164 0234	CERAMIC	0.1U Z 25V	C3262	403 164 0234	CERAMIC	0.1U Z 25V
C2304	403 164 0234	CERAMIC	0.1U Z 25V	C327	403 164 0234	CERAMIC	0.1U Z 25V
C2305	403 164 0234	CERAMIC	0.1U Z 25V	C328	403 164 0234	CERAMIC	0.1U Z 25V
C2306	403 164 0234	CERAMIC	0.1U Z 25V	C329	403 164 0234	CERAMIC	0.1U Z 25V
C2307	403 164 0234	CERAMIC	0.1U Z 25V	C331	403 164 0234	CERAMIC	0.1U Z 25V
C2308	403 164 0234	CERAMIC	0.1U Z 25V	C332	403 164 0234	CERAMIC	0.1U Z 25V
C2310	403 139 7712	CERAMIC	7P D 50V	C333	403 164 0234	CERAMIC	0.1U Z 25V
C2311	403 164 0234	CERAMIC	0.1U Z 25V	C334	403 164 0234	CERAMIC	0.1U Z 25V
C2312	403 397 5413	ELECT	470U M 4V	C336	403 164 0234	CERAMIC	0.1U Z 25V
C2313	403 397 5413	ELECT	470U M 4V	C337	403 164 0234	CERAMIC	0.1U Z 25V
C2315	403 397 5413	ELECT	470U M 4V	C338	403 164 0234	CERAMIC	0.1U Z 25V
C2316	403 164 0234	CERAMIC	0.1U Z 25V	C339	403 164 0234	CERAMIC	0.1U Z 25V
C233	403 394 1319	ELECT	100U M 6.3V	C3401	403 392 1212	ELECT	47U M 6.3V
C235	403 394 1319	ELECT	100U M 6.3V	C3402	403 164 0234	CERAMIC	0.1U Z 25V
C2501	403 397 6212	ELECT	10U M 16V	C3403	403 392 1212	ELECT	47U M 6.3V
C2502	403 164 0234	CERAMIC	0.1U Z 25V	C3404	403 164 0234	CERAMIC	0.1U Z 25V
C2503	403 157 3611	CERAMIC	100P J 50V	C3406	403 358 3212	CERAMIC	10U K 6.3V
C2504	403 164 0234	CERAMIC	0.1U Z 25V		403 368 7316	CERAMIC	10U K 6.3V
C2506	403 376 3119	ELECT	100U M 25V	C3407	403 358 3212	CERAMIC	10U K 6.3V
C2507	403 164 0234	CERAMIC	0.1U Z 25V		403 368 7316	CERAMIC	10U K 6.3V
C2508	403 376 3119	ELECT	100U M 25V	C3408	403 358 3212	CERAMIC	10U K 6.3V
C2520	403 164 0234	CERAMIC	0.1U Z 25V		403 368 7316	CERAMIC	10U K 6.3V
C2521	403 164 0234	CERAMIC	0.1U Z 25V	C3409	403 358 3212	CERAMIC	10U K 6.3V
C2522	403 164 0234	CERAMIC	0.1U Z 25V		403 368 7316	CERAMIC	10U K 6.3V
C2523	403 397 6212	ELECT	10U M 16V	C341	403 164 0234	CERAMIC	0.1U Z 25V
C2524	403 164 0234	CERAMIC	0.1U Z 25V	C3411	403 164 0234	CERAMIC	0.1U Z 25V
C2525	403 376 3119	ELECT	100U M 25V	C3412	403 164 0234	CERAMIC	0.1U Z 25V
C2526	403 397 6212	ELECT	10U M 16V	C3413	403 164 0234	CERAMIC	0.1U Z 25V
C2527	403 164 0234	CERAMIC	0.1U Z 25V	C3414	403 164 0234	CERAMIC	0.1U Z 25V
C2528	403 164 0234	CERAMIC	0.1U Z 25V	C3416	403 164 0234	CERAMIC	0.1U Z 25V
C2529	403 391 5112	ELECT	100U M 16V	C3417	403 164 0234	CERAMIC	0.1U Z 25V
C2531	403 397 6212	ELECT	10U M 16V	C3418	403 358 3212	CERAMIC	10U K 6.3V
C2532	403 164 0234	CERAMIC	0.1U Z 25V		403 368 7316	CERAMIC	10U K 6.3V
C2533	403 157 3611	CERAMIC	100P J 50V	C3419	403 283 6339	CERAMIC	1U Z 10V
C2541	403 164 0234	CERAMIC	0.1U Z 25V	C342	403 164 0234	CERAMIC	0.1U Z 25V
C2561	403 397 6212	ELECT	10U M 16V	C3421	403 283 6339	CERAMIC	1U Z 10V
C2562	403 164 0234	CERAMIC	0.1U Z 25V	C3422	403 283 6339	CERAMIC	1U Z 10V

Key No.	Part No.	Description	Key No.	Part No.	Description
C3423	403 283 6339	CERAMIC 1U Z 10V	C432	403 164 0234	CERAMIC 0.1U Z 25V
C3424	403 283 6339	CERAMIC 1U Z 10V	C434	403 164 0234	CERAMIC 0.1U Z 25V
C343	403 164 0234	CERAMIC 0.1U Z 25V	C436	403 164 0234	CERAMIC 0.1U Z 25V
C344	403 164 0234	CERAMIC 0.1U Z 25V	C437	403 164 0234	CERAMIC 0.1U Z 25V
C346	403 164 0234	CERAMIC 0.1U Z 25V	C438	403 164 0234	CERAMIC 0.1U Z 25V
C347	403 164 0234	CERAMIC 0.1U Z 25V	C439	403 164 0234	CERAMIC 0.1U Z 25V
C348	403 164 0234	CERAMIC 0.1U Z 25V	C4401	403 164 0234	CERAMIC 0.1U Z 25V
C401	403 394 1319	ELECT 100U M 6.3V	C4402	403 164 0234	CERAMIC 0.1U Z 25V
C402	403 394 1319	ELECT 100U M 6.3V	C4403	403 164 0234	CERAMIC 0.1U Z 25V
C403	403 164 0234	CERAMIC 0.1U Z 25V	C4404	403 164 0234	CERAMIC 0.1U Z 25V
C404	403 164 0234	CERAMIC 0.1U Z 25V	C4406	403 164 0234	CERAMIC 0.1U Z 25V
C405	403 283 6339	CERAMIC 1U Z 10V	C4407	403 164 0234	CERAMIC 0.1U Z 25V
C406	403 164 0234	CERAMIC 0.1U Z 25V	C4408	403 164 0234	CERAMIC 0.1U Z 25V
C407	403 164 0234	CERAMIC 0.1U Z 25V	C4409	403 164 0234	CERAMIC 0.1U Z 25V
C408	403 164 0234	CERAMIC 0.1U Z 25V	C4411	403 164 0234	CERAMIC 0.1U Z 25V
C409	403 164 0234	CERAMIC 0.1U Z 25V	C4412	403 164 0234	CERAMIC 0.1U Z 25V
C414	403 164 0234	CERAMIC 0.1U Z 25V	C4413	403 164 0234	CERAMIC 0.1U Z 25V
C416	403 164 0234	CERAMIC 0.1U Z 25V	C4414	403 164 0234	CERAMIC 0.1U Z 25V
C417	403 164 0234	CERAMIC 0.1U Z 25V	C4416	403 358 3212	CERAMIC 10U K 6.3V
C418	403 164 0234	CERAMIC 0.1U Z 25V		403 368 7316	CERAMIC 10U K 6.3V
C419	403 164 0234	CERAMIC 0.1U Z 25V	C4417	403 164 0234	CERAMIC 0.1U Z 25V
C4201	403 164 0234	CERAMIC 0.1U Z 25V	C4418	403 164 0234	CERAMIC 0.1U Z 25V
C4202	403 164 0234	CERAMIC 0.1U Z 25V	C4419	403 164 0234	CERAMIC 0.1U Z 25V
C4203	403 164 0234	CERAMIC 0.1U Z 25V	C442	403 164 0234	CERAMIC 0.1U Z 25V
C4204	403 164 0234	CERAMIC 0.1U Z 25V	C4421	403 164 0234	CERAMIC 0.1U Z 25V
C4206	403 164 0234	CERAMIC 0.1U Z 25V	C4422	403 164 0234	CERAMIC 0.1U Z 25V
C4207	403 164 0234	CERAMIC 0.1U Z 25V	C4423	403 164 0234	CERAMIC 0.1U Z 25V
C4208	403 164 0234	CERAMIC 0.1U Z 25V	C4424	403 164 0234	CERAMIC 0.1U Z 25V
C4209	403 164 0234	CERAMIC 0.1U Z 25V	C4426	403 164 0234	CERAMIC 0.1U Z 25V
C421	403 164 0234	CERAMIC 0.1U Z 25V	C4427	403 164 0234	CERAMIC 0.1U Z 25V
C4211	403 164 0234	CERAMIC 0.1U Z 25V	C4428	403 164 0234	CERAMIC 0.1U Z 25V
C4212	403 164 0234	CERAMIC 0.1U Z 25V	C4429	403 164 0234	CERAMIC 0.1U Z 25V
C4213	403 164 0234	CERAMIC 0.1U Z 25V	C443	403 164 0234	CERAMIC 0.1U Z 25V
C4214	403 164 0234	CERAMIC 0.1U Z 25V	C4431	403 358 3212	CERAMIC 10U K 6.3V
C4216	403 164 0234	CERAMIC 0.1U Z 25V		403 368 7316	CERAMIC 10U K 6.3V
C4217	403 164 0234	CERAMIC 0.1U Z 25V	C4432	403 164 0234	CERAMIC 0.1U Z 25V
C4218	403 164 0234	CERAMIC 0.1U Z 25V	C4433	403 164 0234	CERAMIC 0.1U Z 25V
C4219	403 164 0234	CERAMIC 0.1U Z 25V	C4434	403 164 0234	CERAMIC 0.1U Z 25V
C422	403 164 0234	CERAMIC 0.1U Z 25V	C4436	403 164 0234	CERAMIC 0.1U Z 25V
C4221	403 394 1319	ELECT 100U M 6.3V	C4437	403 164 0234	CERAMIC 0.1U Z 25V
C4222	403 164 0234	CERAMIC 0.1U Z 25V	C4438	403 164 0234	CERAMIC 0.1U Z 25V
C4223	403 164 0234	CERAMIC 0.1U Z 25V	C4439	403 164 0234	CERAMIC 0.1U Z 25V
C423	403 164 0234	CERAMIC 0.1U Z 25V	C4441	403 164 0234	CERAMIC 0.1U Z 25V
C4231	403 392 1212	ELECT 47U M 6.3V	C4442	403 164 0234	CERAMIC 0.1U Z 25V
C4232	403 164 0234	CERAMIC 0.1U Z 25V	C4443	403 164 0234	CERAMIC 0.1U Z 25V
C4233	403 358 3212	CERAMIC 10U K 6.3V	C4444	403 164 0234	CERAMIC 0.1U Z 25V
	403 368 7316	CERAMIC 10U K 6.3V	C4446	403 164 0234	CERAMIC 0.1U Z 25V
C4234	403 358 3212	CERAMIC 10U K 6.3V	C4447	403 164 0234	CERAMIC 0.1U Z 25V
	403 368 7316	CERAMIC 10U K 6.3V	C4448	403 164 0234	CERAMIC 0.1U Z 25V
C4236	403 155 1619	CERAMIC 33P J 50V	C4449	403 164 0234	CERAMIC 0.1U Z 25V
C4237	403 157 7312	CERAMIC 6800P K 50V	C4451	403 164 0234	CERAMIC 0.1U Z 25V
C4238	403 358 3212	CERAMIC 10U K 6.3V	C4452	403 164 0234	CERAMIC 0.1U Z 25V
	403 368 7316	CERAMIC 10U K 6.3V	C4453	403 164 0234	CERAMIC 0.1U Z 25V
C4239	403 358 3212	CERAMIC 10U K 6.3V	C4454	403 164 0234	CERAMIC 0.1U Z 25V
	403 368 7316	CERAMIC 10U K 6.3V	C4456	403 164 0234	CERAMIC 0.1U Z 25V
C4241	403 164 0234	CERAMIC 0.1U Z 25V	C4457	403 164 0234	CERAMIC 0.1U Z 25V
C4242	403 164 0234	CERAMIC 0.1U Z 25V	C4458	403 164 0234	CERAMIC 0.1U Z 25V
C4251	403 394 1319	ELECT 100U M 6.3V	C4459	403 164 0234	CERAMIC 0.1U Z 25V
C4252	403 164 0234	CERAMIC 0.1U Z 25V	C4466	403 164 0234	CERAMIC 0.1U Z 25V
C4253	403 394 1319	ELECT 100U M 6.3V	C4467	403 164 0234	CERAMIC 0.1U Z 25V
C4254	403 164 0234	CERAMIC 0.1U Z 25V	C4468	403 164 0234	CERAMIC 0.1U Z 25V
C4256	403 398 2114	ELECT 330U M 6.3V	C4469	403 164 0234	CERAMIC 0.1U Z 25V
C4257	403 164 0234	CERAMIC 0.1U Z 25V	C4471	403 164 0234	CERAMIC 0.1U Z 25V
C4258	403 164 0234	CERAMIC 0.1U Z 25V	C4472	403 164 0234	CERAMIC 0.1U Z 25V
C426	403 164 0234	CERAMIC 0.1U Z 25V	C4473	403 164 0234	CERAMIC 0.1U Z 25V
C4261	403 394 1319	ELECT 100U M 6.3V	C4474	403 164 0234	CERAMIC 0.1U Z 25V
C4262	403 164 0234	CERAMIC 0.1U Z 25V	C4476	403 164 0234	CERAMIC 0.1U Z 25V
C4263	403 164 0234	CERAMIC 0.1U Z 25V	C4477	403 164 0234	CERAMIC 0.1U Z 25V
C427	403 164 0234	CERAMIC 0.1U Z 25V	C4478	403 164 0234	CERAMIC 0.1U Z 25V
C4272	403 164 0234	CERAMIC 0.1U Z 25V	C4479	403 164 0234	CERAMIC 0.1U Z 25V
C4273	403 164 0234	CERAMIC 0.1U Z 25V	C4481	403 164 0234	CERAMIC 0.1U Z 25V
C428	403 164 0234	CERAMIC 0.1U Z 25V	C4482	403 164 0234	CERAMIC 0.1U Z 25V
C4282	403 164 0234	CERAMIC 0.1U Z 25V	C4801	403 164 0234	CERAMIC 0.1U Z 25V
C4283	403 164 0234	CERAMIC 0.1U Z 25V	C4802	403 164 0234	CERAMIC 0.1U Z 25V
C429	403 164 0234	CERAMIC 0.1U Z 25V	C4803	403 164 0234	CERAMIC 0.1U Z 25V
C4291	403 164 0234	CERAMIC 0.1U Z 25V	C4821	403 164 0234	CERAMIC 0.1U Z 25V
C4292	403 164 0234	CERAMIC 0.1U Z 25V	C4831	403 164 0234	CERAMIC 0.1U Z 25V
C431	403 164 0234	CERAMIC 0.1U Z 25V	C4832	403 164 0234	CERAMIC 0.1U Z 25V

Key No.	Part No.	Description		Key No.	Part No.	Description	
C4833	403 164 0234	CERAMIC	0.1U Z 25V	C6331	403 164 0234	CERAMIC	0.1U Z 25V
C4842	403 164 0234	CERAMIC	0.1U Z 25V	C6332	403 164 0234	CERAMIC	0.1U Z 25V
C4845	403 164 0234	CERAMIC	0.1U Z 25V	C6341	403 394 1319	ELECT	100U M 6.3V
C4846	403 164 0234	CERAMIC	0.1U Z 25V	C6342	403 164 0234	CERAMIC	0.1U Z 25V
C4847	403 164 0234	CERAMIC	0.1U Z 25V	C6343	403 164 0234	CERAMIC	0.1U Z 25V
C4851	403 164 0234	CERAMIC	0.1U Z 25V	C6344	403 164 0234	CERAMIC	0.1U Z 25V
C4855	403 164 0234	CERAMIC	0.1U Z 25V	C6346	403 164 0234	CERAMIC	0.1U Z 25V
C4861	403 164 0234	CERAMIC	0.1U Z 25V	C6347	403 164 0234	CERAMIC	0.1U Z 25V
C4862	403 398 2114	ELECT	330U M 6.3V	C6348	403 164 0234	CERAMIC	0.1U Z 25V
C4871	403 164 0234	CERAMIC	0.1U Z 25V	C6349	403 164 0234	CERAMIC	0.1U Z 25V
C4881	403 164 0234	CERAMIC	0.1U Z 25V	C6351	403 164 0234	CERAMIC	0.1U Z 25V
C4883	403 394 1319	ELECT	100U M 6.3V	C6352	403 164 0234	CERAMIC	0.1U Z 25V
C4884	403 164 0234	CERAMIC	0.1U Z 25V	C6353	403 164 0234	CERAMIC	0.1U Z 25V
C501	403 164 0234	CERAMIC	0.1U Z 25V	C6361	403 164 0234	CERAMIC	0.1U Z 25V
C502	403 164 0234	CERAMIC	0.1U Z 25V	C6362	403 164 0234	CERAMIC	0.1U Z 25V
C503	403 398 4118	ELECT	47U M 16V	C6363	403 164 0234	CERAMIC	0.1U Z 25V
C504	403 398 4118	ELECT	47U M 16V	C6364	403 164 0234	CERAMIC	0.1U Z 25V
C506	403 164 0234	CERAMIC	0.1U Z 25V	C6366	403 164 0234	CERAMIC	0.1U Z 25V
C507	403 398 4118	ELECT	47U M 16V	C6367	403 164 0234	CERAMIC	0.1U Z 25V
C508	403 164 0234	CERAMIC	0.1U Z 25V	C6368	403 164 0234	CERAMIC	0.1U Z 25V
C509	403 164 0234	CERAMIC	0.1U Z 25V	C6369	403 164 0234	CERAMIC	0.1U Z 25V
C511	403 164 0234	CERAMIC	0.1U Z 25V	C6371	403 164 0234	CERAMIC	0.1U Z 25V
C512	403 164 0234	CERAMIC	0.1U Z 25V	C6372	403 164 0234	CERAMIC	0.1U Z 25V
C513	403 392 1212	ELECT	47U M 6.3V	C6741	403 164 0234	CERAMIC	0.1U Z 25V
C531	403 392 1212	ELECT	47U M 6.3V	C6742	403 164 0234	CERAMIC	0.1U Z 25V
C532	403 164 0234	CERAMIC	0.1U Z 25V	C6743	403 164 0234	CERAMIC	0.1U Z 25V
C533	403 164 0234	CERAMIC	0.1U Z 25V	C6744	403 164 0234	CERAMIC	0.1U Z 25V
C534	403 164 0234	CERAMIC	0.1U Z 25V	C6746	403 164 0234	CERAMIC	0.1U Z 25V
C536	403 398 4118	ELECT	47U M 16V	C6756	403 164 0234	CERAMIC	0.1U Z 25V
C537	403 164 0234	CERAMIC	0.1U Z 25V	C6757	403 164 0234	CERAMIC	0.1U Z 25V
C538	403 398 4118	ELECT	47U M 16V	C7801	403 164 0234	CERAMIC	0.1U Z 25V
C539	403 164 0234	CERAMIC	0.1U Z 25V	C7802	403 164 0234	CERAMIC	0.1U Z 25V
C541	403 164 0234	CERAMIC	0.1U Z 25V	C7803	403 164 0234	CERAMIC	0.1U Z 25V
C561	403 392 1212	ELECT	47U M 6.3V	C7804	403 391 5815	ELECT	100U M 6.3V
C562	403 164 0234	CERAMIC	0.1U Z 25V	C7805	403 164 0234	CERAMIC	0.1U Z 25V
C563	403 398 4118	ELECT	47U M 16V	C7813	403 164 0234	CERAMIC	0.1U Z 25V
C5631	403 164 0234	CERAMIC	0.1U Z 25V	C7821	403 398 5412	ELECT	47U M 25V
C5632	403 376 3119	ELECT	100U M 25V	C7822	403 164 0234	CERAMIC	0.1U Z 25V
C564	403 164 0234	CERAMIC	0.1U Z 25V	C7824	403 164 0234	CERAMIC	0.1U Z 25V
C5641	403 376 3119	ELECT	100U M 25V	C7825	403 164 0234	CERAMIC	0.1U Z 25V
C5642	403 164 0234	CERAMIC	0.1U Z 25V	C7826	403 164 0234	CERAMIC	0.1U Z 25V
C5651	403 376 3119	ELECT	100U M 25V	C7827	403 164 0234	CERAMIC	0.1U Z 25V
C5652	403 164 0234	CERAMIC	0.1U Z 25V	C7831	403 164 0234	CERAMIC	0.1U Z 25V
C566	403 164 0234	CERAMIC	0.1U Z 25V	C7832	403 391 5112	ELECT	100U M 16V
C567	403 398 4118	ELECT	47U M 16V	C7841	403 398 5412	ELECT	47U M 25V
C568	403 164 0234	CERAMIC	0.1U Z 25V	C7842	403 164 0234	CERAMIC	0.1U Z 25V
C569	403 398 4118	ELECT	47U M 16V	C7851	403 164 0234	CERAMIC	0.1U Z 25V
C571	403 164 0234	CERAMIC	0.1U Z 25V	C7852	403 391 5112	ELECT	100U M 16V
C572	403 164 0234	CERAMIC	0.1U Z 25V	C7861	403 398 5412	ELECT	47U M 25V
C573	403 164 0234	CERAMIC	0.1U Z 25V	C7862	403 164 0234	CERAMIC	0.1U Z 25V
C5811	403 164 0234	CERAMIC	0.1U Z 25V	C7871	403 164 0234	CERAMIC	0.1U Z 25V
C5812	403 164 0234	CERAMIC	0.1U Z 25V	C7872	403 391 5112	ELECT	100U M 16V
C5813	403 164 0234	CERAMIC	0.1U Z 25V	C7881	403 398 5412	ELECT	47U M 25V
C5837	403 376 3119	ELECT	100U M 25V	C7882	403 164 0234	CERAMIC	0.1U Z 25V
C5838	403 164 0234	CERAMIC	0.1U Z 25V	C7891	403 164 0234	CERAMIC	0.1U Z 25V
C5839	403 164 0234	CERAMIC	0.1U Z 25V	C7892	403 391 5112	ELECT	100U M 16V
C5853	403 164 0234	CERAMIC	0.1U Z 25V	C801	403 164 0234	CERAMIC	0.1U Z 25V
C5864	403 164 0234	CERAMIC	0.1U Z 25V	C802	403 164 0234	CERAMIC	0.1U Z 25V
C5865	403 376 3119	ELECT	100U M 25V	C803	403 155 1619	CERAMIC	33P J 50V
C6301	403 394 1319	ELECT	100U M 6.3V	C804	403 155 1619	CERAMIC	33P J 50V
C6302	403 164 0234	CERAMIC	0.1U Z 25V	C806	403 391 5310	ELECT	47U M 6.3V
C6303	403 164 0234	CERAMIC	0.1U Z 25V	C807	403 164 0234	CERAMIC	0.1U Z 25V
C6304	403 164 0234	CERAMIC	0.1U Z 25V	C808	403 157 6612	CERAMIC	470P K 50V
C6306	403 164 0234	CERAMIC	0.1U Z 25V	C809	403 391 5518	ELECT	10U M 16V
C6307	403 164 0234	CERAMIC	0.1U Z 25V	C810	403 164 0234	CERAMIC	0.1U Z 25V
C6308	403 164 0234	CERAMIC	0.1U Z 25V	C811	403 283 6339	CERAMIC	1U Z 10V
C6309	403 164 0234	CERAMIC	0.1U Z 25V	C812	403 164 0234	CERAMIC	0.1U Z 25V
C6311	403 164 0234	CERAMIC	0.1U Z 25V	C813	403 164 0234	CERAMIC	0.1U Z 25V
C6312	403 164 0234	CERAMIC	0.1U Z 25V	C814	403 398 2114	ELECT	330U M 6.3V
C6313	403 164 0234	CERAMIC	0.1U Z 25V	C815	403 164 0234	CERAMIC	0.1U Z 25V
C6321	403 164 0234	CERAMIC	0.1U Z 25V	C816	403 164 0234	CERAMIC	0.1U Z 25V
C6322	403 164 0234	CERAMIC	0.1U Z 25V	C8201	403 397 5413	ELECT	470U M 4V
C6323	403 164 0234	CERAMIC	0.1U Z 25V	C8202	403 113 3835	CERAMIC	1000P K 50V
C6324	403 164 0234	CERAMIC	0.1U Z 25V	C8203	403 164 0234	CERAMIC	0.1U Z 25V
C6326	403 164 0234	CERAMIC	0.1U Z 25V	C8204	403 164 0234	CERAMIC	0.1U Z 25V
C6327	403 164 0234	CERAMIC	0.1U Z 25V	C8211	403 113 3835	CERAMIC	1000P K 50V
C6328	403 164 0234	CERAMIC	0.1U Z 25V	C8212	403 164 0234	CERAMIC	0.1U Z 25V
C6329	403 164 0234	CERAMIC	0.1U Z 25V	C8213	403 164 0234	CERAMIC	0.1U Z 25V

Key No.	Part No.	Description	Key No.	Part No.	Description
C8221	403 113 3835	CERAMIC 1000P K 50V	R1389	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8222	403 164 0234	CERAMIC 0.1U Z 25V	R1391	401 162 2216	MT-GLAZE 10 JA 1/10W
C8223	403 164 0234	CERAMIC 0.1U Z 25V	R1392	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8225	403 164 0234	CERAMIC 0.1U Z 25V	R1393	401 162 3718	MT-GLAZE 4.7K JA 1/10W
C8251	403 164 0234	CERAMIC 0.1U Z 25V	R1394	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8252	403 164 0234	CERAMIC 0.1U Z 25V	R1406	401 150 6219	MT-GLAZE 1K JA 1/10W
C8253	403 164 0234	CERAMIC 0.1U Z 25V	R1407	401 150 6219	MT-GLAZE 1K JA 1/10W
C8254	403 164 0234	CERAMIC 0.1U Z 25V	R1411	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8263	403 164 0234	CERAMIC 0.1U Z 25V	R1412	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C8271	403 164 0234	CERAMIC 0.1U Z 25V	R1416	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C871	403 397 5413	ELECT 470U M 4V	R1418	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C872	403 164 0234	CERAMIC 0.1U Z 25V	R1421	401 150 5915	MT-GLAZE 10K JA 1/10W
C873	403 164 0234	CERAMIC 0.1U Z 25V	R1434	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C874	403 164 0234	CERAMIC 0.1U Z 25V	R1436	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C875	403 164 0234	CERAMIC 0.1U Z 25V	R1437	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C876	403 164 0234	CERAMIC 0.1U Z 25V	R1501	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C877	403 164 0234	CERAMIC 0.1U Z 25V	R1502	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C878	403 164 0234	CERAMIC 0.1U Z 25V	R1503	401 162 2216	MT-GLAZE 10 JA 1/10W
C879	403 164 0234	CERAMIC 0.1U Z 25V	R1504	401 162 2216	MT-GLAZE 10 JA 1/10W
C886	403 164 0234	CERAMIC 0.1U Z 25V	R1506	401 162 2216	MT-GLAZE 10 JA 1/10W
C887	403 283 6339	CERAMIC 1U Z 10V	R1507	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C888	403 157 6612	CERAMIC 470P K 50V	R1508	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C892	403 164 0234	CERAMIC 0.1U Z 25V	R1513	401 150 6219	MT-GLAZE 1K JA 1/10W
C893	403 164 0234	CERAMIC 0.1U Z 25V	R1514	401 150 6219	MT-GLAZE 1K JA 1/10W
C894	403 398 2114	ELECT 330U M 6.3V	R1531	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C9801	403 397 5413	ELECT 470U M 4V	R1532	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C9802	403 164 0234	CERAMIC 0.1U Z 25V	R1533	401 162 2216	MT-GLAZE 10 JA 1/10W
C9803	403 164 0234	CERAMIC 0.1U Z 25V	R1534	401 162 2216	MT-GLAZE 10 JA 1/10W
C9804	403 113 3835	CERAMIC 1000P K 50V	R1536	401 162 2216	MT-GLAZE 10 JA 1/10W
C9805	403 153 9112	CERAMIC 5P C 50V	R1538	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C9806	403 164 0234	CERAMIC 0.1U Z 25V	R1543	401 150 6219	MT-GLAZE 1K JA 1/10W
C9807	403 164 0234	CERAMIC 0.1U Z 25V	R1548	401 150 6219	MT-GLAZE 1K JA 1/10W
C9808	403 164 0234	CERAMIC 0.1U Z 25V	R1561	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C9811	403 397 5413	ELECT 470U M 4V	R1562	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
C9812	403 164 0234	CERAMIC 0.1U Z 25V	R1563	401 162 2216	MT-GLAZE 10 JA 1/10W
RESISTOR			R1564	401 162 2216	MT-GLAZE 10 JA 1/10W
R1302	401 150 6219	MT-GLAZE 1K JA 1/10W	R1566	401 162 2216	MT-GLAZE 10 JA 1/10W
R1303	401 255 6510	MT-GLAZE 100 JA 1/10W	R1568	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1304	401 150 5915	MT-GLAZE 10K JA 1/10W	R1569	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1311	401 162 2810	MT-GLAZE 1.8K JA 1/10W	R1574	401 150 6219	MT-GLAZE 1K JA 1/10W
R1312	401 162 2216	MT-GLAZE 10 JA 1/10W	R1576	401 150 6219	MT-GLAZE 1K JA 1/10W
R1313	401 162 2810	MT-GLAZE 1.8K JA 1/10W	R1801	401 255 8118	MT-GLAZE 5.1K JA 1/10W
R1314	401 162 2216	MT-GLAZE 10 JA 1/10W	R1805	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1321	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1806	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1322	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1807	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1323	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1808	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1330	401 162 2216	MT-GLAZE 10 JA 1/10W	R1809	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R1332	401 162 2216	MT-GLAZE 10 JA 1/10W	R1810	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1334	401 150 5915	MT-GLAZE 10K JA 1/10W	R1811	401 162 2216	MT-GLAZE 10 JA 1/10W
R1337	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1812	401 162 2216	MT-GLAZE 10 JA 1/10W
R1338	401 035 4118	MT-GLAZE 0.000 ZA 1/8W	R1813	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R1342	401 162 2216	MT-GLAZE 10 JA 1/10W	R1814	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R1345	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1815	401 255 6510	MT-GLAZE 100 JA 1/10W
R1350	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1816	401 255 6510	MT-GLAZE 100 JA 1/10W
R1352	401 150 5915	MT-GLAZE 10K JA 1/10W	R1817	401 150 5915	MT-GLAZE 10K JA 1/10W
R1355	401 150 5915	MT-GLAZE 10K JA 1/10W	R1820	401 150 5915	MT-GLAZE 10K JA 1/10W
R1356	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1821	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1358	401 150 5915	MT-GLAZE 10K JA 1/10W	R1822	401 150 6219	MT-GLAZE 1K JA 1/10W
R1361	401 162 2216	MT-GLAZE 10 JA 1/10W	R1823	401 162 2216	MT-GLAZE 10 JA 1/10W
R1362	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1825	401 162 2216	MT-GLAZE 10 JA 1/10W
R1363	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1826	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1364	401 162 2216	MT-GLAZE 10 JA 1/10W	R1827	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1365	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1828	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1366	401 150 5915	MT-GLAZE 10K JA 1/10W	R1829	401 150 5915	MT-GLAZE 10K JA 1/10W
R1369	401 276 4717	MT-GLAZE 0.000 ZA 1/3W	R1830	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1371	401 255 6510	MT-GLAZE 100 JA 1/10W	R1831	401 150 5915	MT-GLAZE 10K JA 1/10W
R1372	401 255 6510	MT-GLAZE 100 JA 1/10W	R1834	401 150 5915	MT-GLAZE 10K JA 1/10W
R1373	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1841	401 150 5915	MT-GLAZE 10K JA 1/10W
R1374	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1844	401 150 5915	MT-GLAZE 10K JA 1/10W
R1376	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1853	401 256 7516	MT-GLAZE 390 JA 1/10W
R1379	401 150 5915	MT-GLAZE 10K JA 1/10W	R1854	401 150 5915	MT-GLAZE 10K JA 1/10W
R1381	401 150 5915	MT-GLAZE 10K JA 1/10W	R1856	401 150 5915	MT-GLAZE 10K JA 1/10W
R1383	401 150 5915	MT-GLAZE 10K JA 1/10W	R1857	401 256 7516	MT-GLAZE 390 JA 1/10W
R1384	401 150 5915	MT-GLAZE 10K JA 1/10W	R1858	401 150 5915	MT-GLAZE 10K JA 1/10W
R1385	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1859	401 150 5915	MT-GLAZE 10K JA 1/10W
R1386	401 150 5915	MT-GLAZE 10K JA 1/10W	R1860	401 150 5915	MT-GLAZE 10K JA 1/10W
R1387	401 276 4717	MT-GLAZE 0.000 ZA 1/3W	R1861	401 150 5915	MT-GLAZE 10K JA 1/10W
R1388	401 150 6011	MT-GLAZE 0.000 ZA 1/10W	R1862	401 150 5915	MT-GLAZE 10K JA 1/10W

Key No.	Part No.	Description
R1863	401 150 5915	MT-GLAZE 10K JA 1/10W
R1864	401 150 5915	MT-GLAZE 10K JA 1/10W
R1865	401 150 5915	MT-GLAZE 10K JA 1/10W
R1866	401 150 5915	MT-GLAZE 10K JA 1/10W
R1867	401 150 5915	MT-GLAZE 10K JA 1/10W
R1868	401 150 5915	MT-GLAZE 10K JA 1/10W
R1869	401 150 5915	MT-GLAZE 10K JA 1/10W
R1870	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1871	401 256 7318	MT-GLAZE 6.8K JA 1/10W
R1872	401 150 6219	MT-GLAZE 1K JA 1/10W
R1873	401 150 6219	MT-GLAZE 1K JA 1/10W
R1874	401 256 7318	MT-GLAZE 6.8K JA 1/10W
R1875	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1876	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1877	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1878	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R1879	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R1881	401 150 5816	MT-GLAZE 100K JA 1/10W
R1882	401 162 3619	MT-GLAZE 470 JA 1/10W
R1883	401 255 6510	MT-GLAZE 100 JA 1/10W
R1884	401 150 5915	MT-GLAZE 10K JA 1/10W
R1885	401 150 5915	MT-GLAZE 10K JA 1/10W
R1886	401 150 5915	MT-GLAZE 10K JA 1/10W
R1887	401 150 5915	MT-GLAZE 10K JA 1/10W
R1889	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1891	401 150 5915	MT-GLAZE 10K JA 1/10W
R1898	401 150 5915	MT-GLAZE 10K JA 1/10W
R201	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R202	401 256 2719	MT-GLAZE 75 JA 1/10W
R204	401 255 6510	MT-GLAZE 100 JA 1/10W
R205	401 255 6510	MT-GLAZE 100 JA 1/10W
R209	401 150 5915	MT-GLAZE 10K JA 1/10W
R211	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R212	401 256 2719	MT-GLAZE 75 JA 1/10W
R214	401 255 6510	MT-GLAZE 100 JA 1/10W
R215	401 255 6510	MT-GLAZE 100 JA 1/10W
R219	401 150 5915	MT-GLAZE 10K JA 1/10W
R220	401 255 6510	MT-GLAZE 100 JA 1/10W
R2202	401 162 2216	MT-GLAZE 10 JA 1/10W
R2203	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2205	401 162 2216	MT-GLAZE 10 JA 1/10W
R2206	401 162 2216	MT-GLAZE 10 JA 1/10W
R2207	401 162 2216	MT-GLAZE 10 JA 1/10W
R2208	401 162 2216	MT-GLAZE 10 JA 1/10W
R221	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2211	401 162 2216	MT-GLAZE 10 JA 1/10W
R2213	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R2215	401 150 5915	MT-GLAZE 10K JA 1/10W
R222	401 256 2719	MT-GLAZE 75 JA 1/10W
R2231	401 162 2216	MT-GLAZE 10 JA 1/10W
R2232	401 162 2216	MT-GLAZE 10 JA 1/10W
R2233	401 162 2216	MT-GLAZE 10 JA 1/10W
R2234	401 162 2216	MT-GLAZE 10 JA 1/10W
R225	401 255 6510	MT-GLAZE 100 JA 1/10W
R2261	401 162 2216	MT-GLAZE 10 JA 1/10W
R2262	401 162 2216	MT-GLAZE 10 JA 1/10W
R2263	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2265	401 150 5915	MT-GLAZE 10K JA 1/10W
R2266	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R2267	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R229	401 150 5915	MT-GLAZE 10K JA 1/10W
R2300	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R2301	401 150 5915	MT-GLAZE 10K JA 1/10W
R2302	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2303	401 162 2216	MT-GLAZE 10 JA 1/10W
R2304	401 162 3015	MT-GLAZE 22K JA 1/10W
R2306	401 150 5915	MT-GLAZE 10K JA 1/10W
R2307	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R2308	401 150 5915	MT-GLAZE 10K JA 1/10W
R231	401 256 0715	MT-GLAZE 33 JA 1/10W
R2310	401 256 2917	MT-GLAZE 150 JA 1/10W
R2320	401 256 2917	MT-GLAZE 150 JA 1/10W
R2328	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2331	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2340	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2349	401 150 5915	MT-GLAZE 10K JA 1/10W
R2350	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2352	401 150 5915	MT-GLAZE 10K JA 1/10W
R2356	401 150 5915	MT-GLAZE 10K JA 1/10W
R2359	401 150 5915	MT-GLAZE 10K JA 1/10W
R2360	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2363	401 162 2216	MT-GLAZE 10 JA 1/10W
R2364	401 162 2216	MT-GLAZE 10 JA 1/10W
R2365	401 150 5915	MT-GLAZE 10K JA 1/10W
R2366	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2367	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2368	401 150 5915	MT-GLAZE 10K JA 1/10W
R2369	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2371	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2386	401 150 5915	MT-GLAZE 10K JA 1/10W
R2396	401 150 5915	MT-GLAZE 10K JA 1/10W
R241	401 256 0715	MT-GLAZE 33 JA 1/10W
R2501	401 255 8712	MT-GLAZE 22 JA 1/10W
R2502	401 277 7212	MT-GLAZE 470 JA 1/3W
R2503	401 277 7212	MT-GLAZE 470 JA 1/3W
R2504	401 255 8712	MT-GLAZE 22 JA 1/10W
R2506	401 255 8712	MT-GLAZE 22 JA 1/10W
R2507	401 264 5313	MT-GLAZE 2.2 JA 1/10W
R2508	401 264 5313	MT-GLAZE 2.2 JA 1/10W
R2511	401 256 0111	MT-GLAZE 8.2K JA 1/10W
R2512	401 255 6510	MT-GLAZE 100 JA 1/10W
R2513	401 256 3815	MT-GLAZE 1.5K JA 1/10W
R2514	401 255 5810	MT-GLAZE 2K JA 1/10W
R2515	401 150 5816	MT-GLAZE 100K JA 1/10W
R2521	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2522	401 256 7615	MT-GLAZE 3.9K JA 1/10W
R2524	401 150 5816	MT-GLAZE 100K JA 1/10W
R2525	401 255 6510	MT-GLAZE 100 JA 1/10W
R2526	401 256 0111	MT-GLAZE 8.2K JA 1/10W
R2527	401 255 8712	MT-GLAZE 22 JA 1/10W
R2528	401 255 5810	MT-GLAZE 2K JA 1/10W
R2531	401 255 8712	MT-GLAZE 22 JA 1/10W
R2532	401 277 7212	MT-GLAZE 470 JA 1/3W
R2533	401 277 7212	MT-GLAZE 470 JA 1/3W
R2534	401 255 8712	MT-GLAZE 22 JA 1/10W
R2536	401 255 8712	MT-GLAZE 22 JA 1/10W
R2537	401 264 5313	MT-GLAZE 2.2 JA 1/10W
R2538	401 264 5313	MT-GLAZE 2.2 JA 1/10W
R2541	401 255 6510	MT-GLAZE 100 JA 1/10W
R2542	401 255 6510	MT-GLAZE 100 JA 1/10W
R2543	401 150 5915	MT-GLAZE 10K JA 1/10W
R2561	401 255 8712	MT-GLAZE 22 JA 1/10W
R2562	401 277 7212	MT-GLAZE 470 JA 1/3W
R2563	401 277 7212	MT-GLAZE 470 JA 1/3W
R2564	401 255 8712	MT-GLAZE 22 JA 1/10W
R2566	401 255 8712	MT-GLAZE 22 JA 1/10W
R2567	401 264 5313	MT-GLAZE 2.2 JA 1/10W
R2568	401 264 5313	MT-GLAZE 2.2 JA 1/10W
R2583	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2584	401 256 7615	MT-GLAZE 3.9K JA 1/10W
R2591	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2592	401 256 7615	MT-GLAZE 3.9K JA 1/10W
R261	401 256 0715	MT-GLAZE 33 JA 1/10W
R271	401 150 5915	MT-GLAZE 10K JA 1/10W
R272	401 150 6219	MT-GLAZE 1K JA 1/10W
R280	401 150 6219	MT-GLAZE 1K JA 1/10W
R2801	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2802	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2803	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2804	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2806	401 150 6219	MT-GLAZE 1K JA 1/10W
R2807	401 150 5915	MT-GLAZE 10K JA 1/10W
R2808	401 150 6219	MT-GLAZE 1K JA 1/10W
R2809	401 150 5915	MT-GLAZE 10K JA 1/10W
R2811	401 150 5915	MT-GLAZE 10K JA 1/10W
R2812	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2813	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2814	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2816	401 150 5915	MT-GLAZE 10K JA 1/10W
R2817	401 150 5915	MT-GLAZE 10K JA 1/10W
R282	401 150 5915	MT-GLAZE 10K JA 1/10W
R284	401 150 5915	MT-GLAZE 10K JA 1/10W
R286	401 150 5915	MT-GLAZE 10K JA 1/10W
R287	401 150 6219	MT-GLAZE 1K JA 1/10W
R288	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R289	401 150 6011	MT-GLAZE 0.000 ZA 1/10W

Key No.	Part No.	Description
R290	401 150 6219	MT-GLAZE 1K JA 1/10W
R291	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R292	401 150 6219	MT-GLAZE 1K JA 1/10W
R293	401 150 6219	MT-GLAZE 1K JA 1/10W
R295	401 162 2216	MT-GLAZE 10 JA 1/10W
R297	401 255 8712	MT-GLAZE 22 JA 1/10W
R299	401 150 6219	MT-GLAZE 1K JA 1/10W
R301	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R302	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R303	401 162 2810	MT-GLAZE 1.8K JA 1/10W
R304	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R305	401 162 2810	MT-GLAZE 1.8K JA 1/10W
R306	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R307	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R308	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R309	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R318	401 150 5915	MT-GLAZE 10K JA 1/10W
R3213	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3214	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3215	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3216	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3217	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3218	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3219	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3231	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3232	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3233	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3235	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3237	401 150 5915	MT-GLAZE 10K JA 1/10W
R3238	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3239	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R324	401 255 6510	MT-GLAZE 100 JA 1/10W
R3242	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3243	401 162 2216	MT-GLAZE 10 JA 1/10W
R3244	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3245	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R325	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3251	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3255	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3256	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R326	401 150 5915	MT-GLAZE 10K JA 1/10W
R3261	401 150 5915	MT-GLAZE 10K JA 1/10W
R3266	401 150 5915	MT-GLAZE 10K JA 1/10W
R3275	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3276	401 162 2216	MT-GLAZE 10 JA 1/10W
R3277	401 162 2216	MT-GLAZE 10 JA 1/10W
R3278	401 162 2216	MT-GLAZE 10 JA 1/10W
R3279	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R328	401 150 5915	MT-GLAZE 10K JA 1/10W
R3280	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3281	401 162 2919	MT-GLAZE 220 JA 1/10W
R3282	401 162 2919	MT-GLAZE 220 JA 1/10W
R3283	401 162 2919	MT-GLAZE 220 JA 1/10W
R3284	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3285	401 162 2216	MT-GLAZE 10 JA 1/10W
R3286	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3287	401 162 2216	MT-GLAZE 10 JA 1/10W
R3288	401 162 2216	MT-GLAZE 10 JA 1/10W
R3289	401 162 2216	MT-GLAZE 10 JA 1/10W
R329	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3291	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3292	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R3293	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R332	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R335	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R338	401 162 2216	MT-GLAZE 10 JA 1/10W
R339	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R340	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3401	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R3402	401 255 6510	MT-GLAZE 100 JA 1/10W
R3403	401 255 6510	MT-GLAZE 100 JA 1/10W
R3404	401 150 6219	MT-GLAZE 1K JA 1/10W
R3405	401 150 5915	MT-GLAZE 10K JA 1/10W
R3406	401 150 5915	MT-GLAZE 10K JA 1/10W
R3407	401 150 5915	MT-GLAZE 10K JA 1/10W
R3408	401 256 3617	MT-GLAZE 15K JA 1/10W
R3409	401 150 5915	MT-GLAZE 10K JA 1/10W
R341	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3410	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R3412	401 150 5915	MT-GLAZE 10K JA 1/10W
R3413	401 150 5915	MT-GLAZE 10K JA 1/10W
R3414	401 150 5915	MT-GLAZE 10K JA 1/10W
R3416	401 150 5915	MT-GLAZE 10K JA 1/10W
R3417	401 150 6219	MT-GLAZE 1K JA 1/10W
R342	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3423	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3424	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R3426	401 255 6510	MT-GLAZE 100 JA 1/10W
R3427	401 255 6510	MT-GLAZE 100 JA 1/10W
R3428	401 255 6510	MT-GLAZE 100 JA 1/10W
R3429	401 255 6510	MT-GLAZE 100 JA 1/10W
R343	401 162 2216	MT-GLAZE 10 JA 1/10W
R348	401 162 2216	MT-GLAZE 10 JA 1/10W
R349	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R352	401 162 2216	MT-GLAZE 10 JA 1/10W
R353	401 256 6915	MT-GLAZE 680 JA 1/10W
R354	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R355	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R356	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R357	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R358	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R359	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R360	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R361	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R363	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R371	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R372	401 255 6510	MT-GLAZE 100 JA 1/10W
R373	401 255 6510	MT-GLAZE 100 JA 1/10W
R374	401 255 6510	MT-GLAZE 100 JA 1/10W
R375	401 255 6510	MT-GLAZE 100 JA 1/10W
R376	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R377	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R378	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R379	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R382	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R383	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R388	401 255 6510	MT-GLAZE 100 JA 1/10W
R390	401 150 5915	MT-GLAZE 10K JA 1/10W
R392	401 150 5915	MT-GLAZE 10K JA 1/10W
R393	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R395	401 150 5915	MT-GLAZE 10K JA 1/10W
R397	401 150 5915	MT-GLAZE 10K JA 1/10W
R398	401 150 5915	MT-GLAZE 10K JA 1/10W
R399	401 150 5915	MT-GLAZE 10K JA 1/10W
R401	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R402	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R403	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R404	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R405	401 150 5915	MT-GLAZE 10K JA 1/10W
R406	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R407	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R408	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R410	401 150 5915	MT-GLAZE 10K JA 1/10W
R412	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R413	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R414	401 256 1613	MT-GLAZE 1.3K JA 1/10W
R415	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R416	401 256 1613	MT-GLAZE 1.3K JA 1/10W
R417	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R418	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R419	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R420	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4201	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4202	401 150 5915	MT-GLAZE 10K JA 1/10W
R4203	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4204	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4206	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R4207	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4209	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R421	401 162 2216	MT-GLAZE 10 JA 1/10W
R4210	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4211	401 255 7517	MT-GLAZE 110 JA 1/10W
R4212	401 255 7517	MT-GLAZE 110 JA 1/10W
R4213	401 255 7517	MT-GLAZE 110 JA 1/10W
R4214	401 255 7517	MT-GLAZE 110 JA 1/10W
R4215	401 162 2216	MT-GLAZE 10 JA 1/10W

Key No.	Part No.	Description
R4216	401 150 5915	MT-GLAZE 10K JA 1/10W
R4219	401 162 2216	MT-GLAZE 10 JA 1/10W
R422	401 150 6219	MT-GLAZE 1K JA 1/10W
R4231	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4232	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4234	401 256 7318	MT-GLAZE 6.8K JA 1/10W
R4236	401 255 6510	MT-GLAZE 100 JA 1/10W
R4237	401 255 6510	MT-GLAZE 100 JA 1/10W
R4239	401 162 2216	MT-GLAZE 10 JA 1/10W
R4240	401 162 2216	MT-GLAZE 10 JA 1/10W
R4242	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R4245	401 162 2216	MT-GLAZE 10 JA 1/10W
R4246	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R4248	401 162 2216	MT-GLAZE 10 JA 1/10W
R4249	401 162 2216	MT-GLAZE 10 JA 1/10W
R425	401 256 3617	MT-GLAZE 15K JA 1/10W
R4252	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4253	401 276 4717	MT-GLAZE 0.000 ZA 1/3W
R4257	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R426	401 150 6219	MT-GLAZE 1K JA 1/10W
R4264	401 162 2216	MT-GLAZE 10 JA 1/10W
R4266	401 162 2216	MT-GLAZE 10 JA 1/10W
R4274	401 162 2216	MT-GLAZE 10 JA 1/10W
R428	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4284	401 162 2216	MT-GLAZE 10 JA 1/10W
R4286	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4287	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4288	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4289	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R429	401 162 2216	MT-GLAZE 10 JA 1/10W
R4290	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4291	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4292	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4293	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4294	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4295	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4298	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4299	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R430	401 150 5915	MT-GLAZE 10K JA 1/10W
R431	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R432	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R433	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R435	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R437	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R438	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4405	401 150 5915	MT-GLAZE 10K JA 1/10W
R4406	401 150 6219	MT-GLAZE 1K JA 1/10W
R4407	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4410	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4411	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4412	401 150 6219	MT-GLAZE 1K JA 1/10W
R4413	401 150 6219	MT-GLAZE 1K JA 1/10W
R4414	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4415	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4416	401 150 6219	MT-GLAZE 1K JA 1/10W
R4417	401 150 6219	MT-GLAZE 1K JA 1/10W
R4418	401 150 6219	MT-GLAZE 1K JA 1/10W
R4419	401 150 6219	MT-GLAZE 1K JA 1/10W
R442	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4420	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4421	401 150 5915	MT-GLAZE 10K JA 1/10W
R4422	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R4423	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4424	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4425	401 150 6219	MT-GLAZE 1K JA 1/10W
R4426	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4427	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4428	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4429	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R443	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4431	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4432	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4433	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4434	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4435	401 150 6219	MT-GLAZE 1K JA 1/10W
R4436	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4437	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4438	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4439	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4441	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4442	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4444	401 150 6219	MT-GLAZE 1K JA 1/10W
R4445	401 150 5915	MT-GLAZE 10K JA 1/10W
R4446	401 150 6219	MT-GLAZE 1K JA 1/10W
R4452	401 150 6219	MT-GLAZE 1K JA 1/10W
R4454	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4455	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4456	401 150 6219	MT-GLAZE 1K JA 1/10W
R4458	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4459	401 150 6219	MT-GLAZE 1K JA 1/10W
R4461	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4462	401 150 6219	MT-GLAZE 1K JA 1/10W
R4463	401 256 5611	MT-GLAZE 47 JA 1/10W
R4465	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R4466	401 150 5915	MT-GLAZE 10K JA 1/10W
R4467	401 150 6219	MT-GLAZE 1K JA 1/10W
R4468	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R4469	401 150 6219	MT-GLAZE 1K JA 1/10W
R447	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4472	401 150 6219	MT-GLAZE 1K JA 1/10W
R4473	401 150 6219	MT-GLAZE 1K JA 1/10W
R4474	401 150 6219	MT-GLAZE 1K JA 1/10W
R4475	401 150 6219	MT-GLAZE 1K JA 1/10W
R4476	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4477	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4478	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R448	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4482	401 150 5915	MT-GLAZE 10K JA 1/10W
R4484	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4485	401 150 5915	MT-GLAZE 10K JA 1/10W
R4486	401 150 5915	MT-GLAZE 10K JA 1/10W
R4488	401 150 6219	MT-GLAZE 1K JA 1/10W
R4489	401 150 6219	MT-GLAZE 1K JA 1/10W
R449	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4491	401 150 6219	MT-GLAZE 1K JA 1/10W
R4493	401 150 5915	MT-GLAZE 10K JA 1/10W
R4494	401 150 5915	MT-GLAZE 10K JA 1/10W
R4496	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4497	401 150 6219	MT-GLAZE 1K JA 1/10W
R4499	401 150 5915	MT-GLAZE 10K JA 1/10W
R451	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R452	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R453	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R454	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R456	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R457	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R466	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R467	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R468	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R469	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R471	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R472	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R473	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R474	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R476	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R477	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R478	401 150 6219	MT-GLAZE 1K JA 1/10W
R4800	401 150 5915	MT-GLAZE 10K JA 1/10W
R4801	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4802	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4803	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4804	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4805	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4806	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4807	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4808	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4809	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4811	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4812	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4813	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4814	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4815	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4816	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4817	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4818	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4819	401 255 6510	MT-GLAZE 100 JA 1/10W

Key No.	Part No.	Description
R4820	401 255 6510	MT-GLAZE 100 JA 1/10W
R4821	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4822	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4823	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4824	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4825	401 255 6510	MT-GLAZE 100 JA 1/10W
R4826	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4827	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4828	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4829	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4830	401 255 6510	MT-GLAZE 100 JA 1/10W
R4831	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4832	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4833	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4834	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4835	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4836	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4837	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4838	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4839	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4840	401 150 5915	MT-GLAZE 10K JA 1/10W
R4841	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4842	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4843	401 150 5915	MT-GLAZE 10K JA 1/10W
R4844	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4845	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4846	401 150 5816	MT-GLAZE 100K JA 1/10W
R4847	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R4849	401 162 2216	MT-GLAZE 10 JA 1/10W
R4851	401 162 2216	MT-GLAZE 10 JA 1/10W
R4852	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4855	401 150 5915	MT-GLAZE 10K JA 1/10W
R4857	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4858	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4859	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4861	401 150 5915	MT-GLAZE 10K JA 1/10W
R4865	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R4867	401 162 4111	MT-GLAZE 5.6K JA 1/10W
R4868	401 162 3619	MT-GLAZE 470 JA 1/10W
R4869	401 162 2810	MT-GLAZE 1.8K JA 1/10W
R4870	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4871	401 256 0012	MT-GLAZE 120 JA 1/10W
R4872	401 255 6510	MT-GLAZE 100 JA 1/10W
R4873	401 150 6219	MT-GLAZE 1K JA 1/10W
R4874	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4875	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4876	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4877	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4878	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4879	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4880	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4881	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R4882	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4883	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R4884	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R4885	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4886	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R4887	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R4888	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R4889	401 162 2216	MT-GLAZE 10 JA 1/10W
R4891	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R4892	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R4895	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R4897	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R4899	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R501	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R502	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R503	401 162 2216	MT-GLAZE 10 JA 1/10W
R504	401 162 2216	MT-GLAZE 10 JA 1/10W
R506	401 162 2216	MT-GLAZE 10 JA 1/10W
R507	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R508	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R512	401 150 6219	MT-GLAZE 1K JA 1/10W
R513	401 162 2216	MT-GLAZE 10 JA 1/10W
R514	401 150 6219	MT-GLAZE 1K JA 1/10W
R518	401 150 6219	MT-GLAZE 1K JA 1/10W
R531	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R532	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R533	401 162 2216	MT-GLAZE 10 JA 1/10W
R534	401 162 2216	MT-GLAZE 10 JA 1/10W
R536	401 162 2216	MT-GLAZE 10 JA 1/10W
R538	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R542	401 150 6219	MT-GLAZE 1K JA 1/10W
R543	401 162 2216	MT-GLAZE 10 JA 1/10W
R546	401 150 6219	MT-GLAZE 1K JA 1/10W
R548	401 150 6219	MT-GLAZE 1K JA 1/10W
R561	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R562	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R563	401 162 2216	MT-GLAZE 10 JA 1/10W
R5631	401 038 6416	MT-GLAZE 4.7K JA 1/10W
R564	401 162 2216	MT-GLAZE 10 JA 1/10W
R5641	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R5642	401 256 3815	MT-GLAZE 1.5K JA 1/10W
R5643	401 255 5810	MT-GLAZE 2K JA 1/10W
R5651	401 162 4111	MT-GLAZE 5.6K JA 1/10W
R5652	401 256 3815	MT-GLAZE 1.5K JA 1/10W
R5653	401 255 5810	MT-GLAZE 2K JA 1/10W
R566	401 162 2216	MT-GLAZE 10 JA 1/10W
R568	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R569	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R572	401 150 6219	MT-GLAZE 1K JA 1/10W
R573	401 162 2216	MT-GLAZE 10 JA 1/10W
R576	401 150 6219	MT-GLAZE 1K JA 1/10W
R578	401 150 6219	MT-GLAZE 1K JA 1/10W
R5801	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R5802	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5803	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5804	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5811	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R5812	401 162 3619	MT-GLAZE 470 JA 1/10W
R5813	401 162 2810	MT-GLAZE 1.8K JA 1/10W
R5814	401 255 6510	MT-GLAZE 100 JA 1/10W
R5815	401 256 0012	MT-GLAZE 120 JA 1/10W
R5816	401 150 6219	MT-GLAZE 1K JA 1/10W
R5817	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R5821	401 255 6510	MT-GLAZE 100 JA 1/10W
R5822	401 255 6510	MT-GLAZE 100 JA 1/10W
R5823	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5827	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5831	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R5832	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R5833	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5834	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R5835	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R5836	645 030 1056	PROTECTOR,IC 3.8A 72V
R5837	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5838	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5841	401 150 5915	MT-GLAZE 10K JA 1/10W
R5842	401 150 5915	MT-GLAZE 10K JA 1/10W
R5843	401 150 5915	MT-GLAZE 10K JA 1/10W
R5844	645 030 1056	PROTECTOR,IC 3.8A 72V
R5846	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5847	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5850	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5851	401 256 5918	MT-GLAZE 2.7K JA 1/10W
R5853	401 255 6510	MT-GLAZE 100 JA 1/10W
R5854	401 255 6510	MT-GLAZE 100 JA 1/10W
R5855	401 255 6510	MT-GLAZE 100 JA 1/10W
R5857	401 255 6510	MT-GLAZE 100 JA 1/10W
R5858	401 255 6510	MT-GLAZE 100 JA 1/10W
R5859	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R5861	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5862	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5863	401 150 5915	MT-GLAZE 10K JA 1/10W
R5866	401 150 5915	MT-GLAZE 10K JA 1/10W
R5868	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5869	401 150 5915	MT-GLAZE 10K JA 1/10W
R5870	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5871	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R5872	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5873	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5874	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5876	401 150 5915	MT-GLAZE 10K JA 1/10W
R5877	401 150 5915	MT-GLAZE 10K JA 1/10W
R5881	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R5882	401 150 6011	MT-GLAZE 0.000 ZA 1/10W

Key No.	Part No.	Description
R5883	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5884	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5885	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5886	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5887	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R5894	401 150 5915	MT-GLAZE 10K JA 1/10W
R5895	401 150 5915	MT-GLAZE 10K JA 1/10W
R5896	401 150 5915	MT-GLAZE 10K JA 1/10W
R5897	401 150 5915	MT-GLAZE 10K JA 1/10W
R5898	401 150 5915	MT-GLAZE 10K JA 1/10W
R5899	401 150 5915	MT-GLAZE 10K JA 1/10W
R6301	401 162 2216	MT-GLAZE 10 JA 1/10W
R6321	401 162 2216	MT-GLAZE 10 JA 1/10W
R6341	401 162 2216	MT-GLAZE 10 JA 1/10W
R6361	401 162 2216	MT-GLAZE 10 JA 1/10W
R6733	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6741	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6742	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6743	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6744	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6745	401 255 6510	MT-GLAZE 100 JA 1/10W
R6746	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6747	401 255 6510	MT-GLAZE 100 JA 1/10W
R6748	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6749	401 255 6510	MT-GLAZE 100 JA 1/10W
R6750	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6751	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6752	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6753	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6754	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6755	401 255 6510	MT-GLAZE 100 JA 1/10W
R6756	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6757	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6758	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6759	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6760	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6761	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6762	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6763	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6764	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6765	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6766	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6767	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6768	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6773	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6774	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6778	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R6779	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7327	401 255 8712	MT-GLAZE 22 JA 1/10W
R7328	401 255 8712	MT-GLAZE 22 JA 1/10W
R7329	401 255 8712	MT-GLAZE 22 JA 1/10W
R7367	401 255 8712	MT-GLAZE 22 JA 1/10W
R7368	401 255 8712	MT-GLAZE 22 JA 1/10W
R7370	401 255 8712	MT-GLAZE 22 JA 1/10W
R7371	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7372	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7373	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7374	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7375	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7376	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7377	401 255 8712	MT-GLAZE 22 JA 1/10W
R7378	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7379	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7801	401 150 6219	MT-GLAZE 1K JA 1/10W
R7802	401 150 6219	MT-GLAZE 1K JA 1/10W
R7803	401 150 6219	MT-GLAZE 1K JA 1/10W
R7804	401 150 6219	MT-GLAZE 1K JA 1/10W
R7809	401 150 6219	MT-GLAZE 1K JA 1/10W
R7810	401 150 6219	MT-GLAZE 1K JA 1/10W
R7811	401 150 6219	MT-GLAZE 1K JA 1/10W
R7812	401 150 6219	MT-GLAZE 1K JA 1/10W
R7813	401 290 1518	MT-GLAZE 0.1 JE 1/2W
R7814	401 162 4111	MT-GLAZE 5.6K JA 1/10W
R7815	401 290 1518	MT-GLAZE 0.1 JE 1/2W
R7816	401 162 4111	MT-GLAZE 5.6K JA 1/10W
R7817	401 290 1518	MT-GLAZE 0.1 JE 1/2W
R7818	401 162 4111	MT-GLAZE 5.6K JA 1/10W
R7819	401 290 1518	MT-GLAZE 0.1 JE 1/2W
R7820	401 162 4111	MT-GLAZE 5.6K JA 1/10W
R7821	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7822	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7823	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7824	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7825	401 256 7318	MT-GLAZE 6.8K JA 1/10W
R7826	401 255 5810	MT-GLAZE 2K JA 1/10W
R7827	401 256 7318	MT-GLAZE 6.8K JA 1/10W
R7828	401 255 5810	MT-GLAZE 2K JA 1/10W
R7829	401 256 7318	MT-GLAZE 6.8K JA 1/10W
R7830	401 255 5810	MT-GLAZE 2K JA 1/10W
R7831	401 256 7318	MT-GLAZE 6.8K JA 1/10W
R7832	401 255 5810	MT-GLAZE 2K JA 1/10W
R7835	401 290 1518	MT-GLAZE 0.1 JE 1/2W
R7836	401 290 1518	MT-GLAZE 0.1 JE 1/2W
R7837	401 290 1518	MT-GLAZE 0.1 JE 1/2W
R7838	401 290 1518	MT-GLAZE 0.1 JE 1/2W
R7841	401 162 2216	MT-GLAZE 10 JA 1/10W
R7842	401 162 2216	MT-GLAZE 10 JA 1/10W
R7843	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7844	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7845	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7846	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R7850	401 150 5915	MT-GLAZE 10K JA 1/10W
R7851	401 150 5915	MT-GLAZE 10K JA 1/10W
R7852	401 150 5915	MT-GLAZE 10K JA 1/10W
R7857	401 255 6510	MT-GLAZE 100 JA 1/10W
R7858	401 255 6510	MT-GLAZE 100 JA 1/10W
R7859	401 255 6510	MT-GLAZE 100 JA 1/10W
R7860	401 255 6510	MT-GLAZE 100 JA 1/10W
R7861	401 150 5915	MT-GLAZE 10K JA 1/10W
R7862	401 280 7919	MT-GLAZE 270 JA 1/3W
R7863	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
R7864	401 150 5915	MT-GLAZE 10K JA 1/10W
R7866	401 150 5915	MT-GLAZE 10K JA 1/10W
R7867	401 150 5915	MT-GLAZE 10K JA 1/10W
R7868	401 150 5915	MT-GLAZE 10K JA 1/10W
R802	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R803	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R804	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R805	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R806	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R808	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R809	401 162 2216	MT-GLAZE 10 JA 1/10W
R810	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R811	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R812	401 150 5915	MT-GLAZE 10K JA 1/10W
R813	401 162 2216	MT-GLAZE 10 JA 1/10W
R815	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R817	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R818	401 150 5915	MT-GLAZE 10K JA 1/10W
R820	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R821	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R822	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8225	401 162 2216	MT-GLAZE 10 JA 1/10W
R823	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R824	401 152 3216	MT-GLAZE 330 JA 1/10W
R825	401 162 3015	MT-GLAZE 22K JA 1/10W
R8252	403 153 9112	CERAMIC 5P C 50V
R8253	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8254	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8255	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8256	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8257	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8258	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8259	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8261	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R8262	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R827	401 162 3015	MT-GLAZE 22K JA 1/10W
R829	401 256 0012	MT-GLAZE 120 JA 1/10W
R830	401 162 2216	MT-GLAZE 10 JA 1/10W
R831	401 162 3619	MT-GLAZE 470 JA 1/10W
R832	401 150 5915	MT-GLAZE 10K JA 1/10W
R833	401 255 6510	MT-GLAZE 100 JA 1/10W
R834	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R835	401 255 6510	MT-GLAZE 100 JA 1/10W
R836	401 255 6510	MT-GLAZE 100 JA 1/10W
R837	401 255 6510	MT-GLAZE 100 JA 1/10W

Key No.	Part No.	Description
R838	401 255 6510	MT-GLAZE 100 JA 1/10W
R839	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R840	401 150 5915	MT-GLAZE 10K JA 1/10W
R841	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R842	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R843	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R844	401 150 6219	MT-GLAZE 1K JA 1/10W
R845	401 150 6219	MT-GLAZE 1K JA 1/10W
R846	401 150 6219	MT-GLAZE 1K JA 1/10W
R847	401 256 6618	MT-GLAZE 68K JA 1/10W
R848	401 150 5915	MT-GLAZE 10K JA 1/10W
R849	401 255 6510	MT-GLAZE 100 JA 1/10W
R850	401 162 3015	MT-GLAZE 22K JA 1/10W
R851	401 150 5915	MT-GLAZE 10K JA 1/10W
R852	401 150 5915	MT-GLAZE 10K JA 1/10W
R853	401 162 3015	MT-GLAZE 22K JA 1/10W
R854	401 162 3015	MT-GLAZE 22K JA 1/10W
R855	401 162 3015	MT-GLAZE 22K JA 1/10W
R856	401 162 3015	MT-GLAZE 22K JA 1/10W
R857	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R858	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R860	401 162 2216	MT-GLAZE 10 JA 1/10W
R861	401 255 6510	MT-GLAZE 100 JA 1/10W
R862	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R863	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R864	401 255 6510	MT-GLAZE 100 JA 1/10W
R865	401 255 6510	MT-GLAZE 100 JA 1/10W
R866	401 162 2810	MT-GLAZE 1.8K JA 1/10W
R867	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R868	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R869	401 256 0418	MT-GLAZE 12K JA 1/10W
R870	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R871	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R873	401 150 5915	MT-GLAZE 10K JA 1/10W
R875	401 150 5915	MT-GLAZE 10K JA 1/10W
R876	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R877	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R878	401 255 6510	MT-GLAZE 100 JA 1/10W
R879	401 150 6219	MT-GLAZE 1K JA 1/10W
R880	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R881	401 256 5314	MT-GLAZE 56K JA 1/10W
R882	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R885	401 162 2216	MT-GLAZE 10 JA 1/10W
R886	401 150 6219	MT-GLAZE 1K JA 1/10W
R887	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R888	401 162 2216	MT-GLAZE 10 JA 1/10W
R889	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R890	401 150 5915	MT-GLAZE 10K JA 1/10W
R891	401 150 5915	MT-GLAZE 10K JA 1/10W
R893	401 150 5915	MT-GLAZE 10K JA 1/10W
R894	401 162 2216	MT-GLAZE 10 JA 1/10W
R895	401 150 5915	MT-GLAZE 10K JA 1/10W
R896	401 150 5915	MT-GLAZE 10K JA 1/10W
R898	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9801	401 256 3815	MT-GLAZE 1.5K JA 1/10W
R9803	401 255 6015	MT-GLAZE 1M JA 1/10W
R9804	401 255 6510	MT-GLAZE 100 JA 1/10W
R9805	401 255 6510	MT-GLAZE 100 JA 1/10W
R9806	401 255 6510	MT-GLAZE 100 JA 1/10W
R9807	401 255 6510	MT-GLAZE 100 JA 1/10W
R9809	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9813	401 150 5816	MT-GLAZE 100K JA 1/10W
R9823	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9824	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9825	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9826	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9827	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9829	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R9830	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9831	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9832	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R9835	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9836	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9837	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9840	401 150 5915	MT-GLAZE 10K JA 1/10W
R9842	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9843	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9844	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9846	401 150 5915	MT-GLAZE 10K JA 1/10W
RB1501	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB1531	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB1561	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2301	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2302	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2303	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2304	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2305	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2306	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2307	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2308	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2309	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2311	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2312	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2313	645 036 0985	R-NETWORK 47X4 1/32W
	645 037 0830	R-NETWORK 47X4 1/32W
RB2314	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2315	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2316	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2317	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2318	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2319	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2321	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2322	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2323	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2324	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2325	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2326	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2331	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2332	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2333	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2334	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2335	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB2336	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB301	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB331	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB332	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB333	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB334	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB335	645 085 7645	R-NETWORK 680X4 1/32W

Key No.	Part No.	Description
	645 037 4395	R-NETWORK 680X4 1/32W
RB336	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB337	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB338	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB339	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB341	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB342	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB343	645 085 7645	R-NETWORK 680X4 1/32W
	645 037 4395	R-NETWORK 680X4 1/32W
RB402	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB403	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB406	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB407	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB409	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB411	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB431	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB432	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4401	645 049 0668	R-NETWORK 10X4 1/32W
	645 049 0682	R-NETWORK 10X4 1/32W
RB4402	645 049 0668	R-NETWORK 10X4 1/32W
	645 049 0682	R-NETWORK 10X4 1/32W
RB4403	645 049 0668	R-NETWORK 10X4 1/32W
	645 049 0682	R-NETWORK 10X4 1/32W
RB4404	645 049 0668	R-NETWORK 10X4 1/32W
	645 049 0682	R-NETWORK 10X4 1/32W
RB4406	645 049 0668	R-NETWORK 10X4 1/32W
	645 049 0682	R-NETWORK 10X4 1/32W
RB4407	645 049 0668	R-NETWORK 10X4 1/32W
	645 049 0682	R-NETWORK 10X4 1/32W
RB4411	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4412	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4413	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4414	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4416	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4417	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4421	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4422	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4423	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4424	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4426	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4801	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB4802	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB4803	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB4804	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB4806	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4807	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4808	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB4809	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB4811	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB4812	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4813	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4814	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB4841	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4842	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4843	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4844	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4845	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4846	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4847	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4849	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4851	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4852	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB4881	645 049 0668	R-NETWORK 10X4 1/32W
	645 049 0682	R-NETWORK 10X4 1/32W
RB4882	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB4883	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB4885	645 029 5782	R-NETWORK 100X4 1/32W
	645 028 0696	R-NETWORK 100X4 1/32W
RB501	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB502	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB531	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB532	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB561	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB562	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB5811	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB5851	645 049 0668	R-NETWORK 10X4 1/32W
	645 049 0682	R-NETWORK 10X4 1/32W
RB5852	645 049 0668	R-NETWORK 10X4 1/32W
	645 049 0682	R-NETWORK 10X4 1/32W
RB6741	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB6742	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB6743	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB6744	645 036 3528	R-NETWORK 0X4 1/32W
	645 037 0816	R-NETWORK 0X4 1/32W
RB7301	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB7302	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB7303	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB7304	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB7306	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB7307	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB7308	645 034 5050	R-NETWORK 22X4 1/32W

Key No.	Part No.	Description
	645 037 0823	R-NETWORK 22X4 1/32W
RB7309	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB7311	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB7312	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB7313	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB7314	645 034 5050	R-NETWORK 22X4 1/32W
	645 037 0823	R-NETWORK 22X4 1/32W
RB804	645 036 0992	R-NETWORK 4.7KX4 1/32W
	645 033 1442	R-NETWORK 4.7KX4 1/32W
RB805	645 036 0992	R-NETWORK 4.7KX4 1/32W
	645 033 1442	R-NETWORK 4.7KX4 1/32W
RB806	645 036 0992	R-NETWORK 4.7KX4 1/32W
	645 033 1442	R-NETWORK 4.7KX4 1/32W
RB807	645 036 0992	R-NETWORK 4.7KX4 1/32W
	645 033 1442	R-NETWORK 4.7KX4 1/32W
RB9801	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
RB9802	645 036 0978	R-NETWORK 10KX4 1/32W
	645 028 0719	R-NETWORK 10KX4 1/32W
COIL		
L1501	645 080 6827	INDUCTOR,3.3U M
L1502	645 080 6827	INDUCTOR,3.3U M
L1531	645 080 6827	INDUCTOR,3.3U M
L1532	645 080 6827	INDUCTOR,3.3U M
L1533	645 080 6827	INDUCTOR,3.3U M
L1561	645 080 6827	INDUCTOR,3.3U M
L1562	645 080 6827	INDUCTOR,3.3U M
L201	645 080 6827	INDUCTOR,3.3U M
L202	645 080 6827	INDUCTOR,3.3U M
L2201	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
L2211	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
L2221	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
L2301	645 080 6827	INDUCTOR,3.3U M
L2302	645 080 6827	INDUCTOR,3.3U M
L2501	645 059 1754	INDUCTOR,22U J
L2531	645 059 1754	INDUCTOR,22U J
L2561	645 059 1754	INDUCTOR,22U J
L2581	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
L2582	401 035 4118	MT-GLAZE 0.000 ZA 1/8W
L3401	645 059 2249	INDUCTOR,2.2U M
L3402	645 059 2249	INDUCTOR,2.2U M
L3403	645 059 2249	INDUCTOR,2.2U M
L3404	645 059 2249	INDUCTOR,2.2U M
L4881	645 059 2249	INDUCTOR,2.2U M
L501	645 080 6827	INDUCTOR,3.3U M
L502	645 080 6827	INDUCTOR,3.3U M
L503	645 080 6827	INDUCTOR,3.3U M
L532	645 080 6827	INDUCTOR,3.3U M
L533	645 080 6827	INDUCTOR,3.3U M
L561	645 080 6827	INDUCTOR,3.3U M
L562	645 080 6827	INDUCTOR,3.3U M
L563	645 080 6827	INDUCTOR,3.3U M
L7801	645 059 2249	INDUCTOR,2.2U M
L9801	645 059 1747	INDUCTOR,2.2U J
DIODE		
D1421	407 149 0817	DIODE 1SS355-TE-17
D1871	407 149 0817	DIODE 1SS355-TE-17
D1872	407 149 0817	DIODE 1SS355-TE-17
D2302	407 149 0817	DIODE 1SS355-TE-17
D2582	407 149 0817	DIODE 1SS355-TE-17
D281	407 149 0817	DIODE 1SS355-TE-17
D282	407 149 0817	DIODE 1SS355-TE-17
D283	407 149 0817	DIODE 1SS355-TE-17
D3401	407 149 0817	DIODE 1SS355-TE-17
D3402	407 149 0817	DIODE 1SS355-TE-17
D4251	407 223 5011	DIODE D1FM3
D4252	407 223 5011	DIODE D1FM3
D4871	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D4872	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D4873	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D4874	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D501	407 149 0817	DIODE 1SS355-TE-17
D5541	407 149 0817	DIODE 1SS355-TE-17
D5630	407 149 0817	DIODE 1SS355-TE-17
D5631	407 149 0817	DIODE 1SS355-TE-17
D5632	407 149 0817	DIODE 1SS355-TE-17
D5633	407 149 0817	DIODE 1SS355-TE-17
D5634	407 149 0817	DIODE 1SS355-TE-17
D5801	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5811	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5812	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5813	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5814	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5815	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5816	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5817	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5818	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5831	407 223 5011	DIODE D1FM3
D5832	407 223 5011	DIODE D1FM3
D5833	407 223 5011	DIODE D1FM3
D5863	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5864	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5865	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5868	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5871	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D5876	407 149 0817	DIODE 1SS355-TE-17
D5877	407 149 0817	DIODE 1SS355-TE-17
D5881	407 223 1112	ZENER DIODE 02DZ6.2Y(TPH3
D7801	407 223 0511	ZENER DIODE 02DZ12Y(TPH3)
D7803	407 149 0817	DIODE 1SS355-TE-17
D7831	407 149 0817	DIODE 1SS355-TE-17
D7851	407 149 0817	DIODE 1SS355-TE-17
D7871	407 149 0817	DIODE 1SS355-TE-17
D7891	407 149 0817	DIODE 1SS355-TE-17
D801	407 092 9526	DIODE SB07-03C-TB
MISCELLANEOUS		
IC886	407 236 0317	SENSOR MPXHZ6115A6T1
K2B	645 009 8390	PLUG,ANT 2P
K2G	645 009 8390	PLUG,ANT 2P
K2R	645 009 8390	PLUG,ANT 2P
K32A	645 040 6775	SOCKET,PWB 40P
K32B	645 040 6775	SOCKET,PWB 40P
X1331	645 076 0303	OSC,CRYSTAL 26.000MHZ
X1341	645 076 0518	OSC,CRYSTAL 27.000MHZ
X2261	645 041 3841	OSC,CRYSTAL 4MHZ
X801	645 077 5963	OSC,CRYSTAL 6.4512MHZ
X9801	645 076 0310	OSC,CRYSTAL 48MHZ

POWER BOARD

⚠	610 328 7201	ASSY,PWB,POWER KF6A
INTEGRATED CIRCUIT		
IC601	409 179 4503	IC STR81145A
IC632	409 558 4209	IC STR-Z2156A
IC652	409 308 8600	IC SE005N
CAPACITOR		
C602	403 222 1323	CERAMIC 1000P K 1K
C603	403 222 1323	CERAMIC 1000P K 1K
C604	403 410 7714	ELECT 2.2U M 450V
C605	403 070 0919	CERAMIC 0.1U K 50V
C606	403 180 4111	MT-POLYEST 0.1U K 630V
C607	403 427 5324	ELECT 100U M 25V
C608	404 085 7501	ELECT 820U M 250V
C609	404 085 7501	ELECT 820U M 250V
C611	403 430 4638	ELECT 2.2U M 200V
C612	403 237 7941	MT-COMPO 0.22U J 50V
C613	403 113 3815	CERAMIC 1000P K 50V
C614	403 164 0214	CERAMIC 0.1U Z 25V
C615	403 245 4414	CERAMIC 470P K 2K
C616	403 167 8613	CERAMIC 220P K 2K
C617	404 110 3904	MT-POLYPRO 0.075U H 800V
C618	403 164 0214	CERAMIC 0.1U Z 25V
C619	403 164 0214	CERAMIC 0.1U Z 25V
C621	403 420 4512	ELECT 220U M 35V
C622	403 430 4717	ELECT 1U M 350V
C623	403 157 6810	CERAMIC 680P K 50V
C625	403 410 6618	ELECT 1000U M 10V
	403 301 2316	ELECT 1000U M 10V
C626	403 410 6618	ELECT 1000U M 10V
	403 301 2316	ELECT 1000U M 10V
C650	403 410 7031	ELECT 2200U M 16V

Key No.	Part No.	Description
C651	403 410 7031	ELECT 2200U M 16V
C652	403 164 0214	CERAMIC 0.1U Z 25V
C653	403 369 2419	ELECT 2700U M 25V
C654	403 369 2419	ELECT 2700U M 25V
C655	403 164 0214	CERAMIC 0.1U Z 25V
C656	403 164 0214	CERAMIC 0.1U Z 25V
C657	403 431 2623	ELECT 3300U M 10V
	403 313 6418	ELECT 3300U M 10V
C658	403 358 7319	ELECT 470U M 10V
C659	403 431 2623	ELECT 3300U M 10V
	403 313 6418	ELECT 3300U M 10V
C661	403 431 2623	ELECT 3300U M 10V
	403 313 6418	ELECT 3300U M 10V
C662	403 431 2910	ELECT 4.7U M 50V
RESISTOR		
R600	401 008 8627	CARBON 220K JA 1/2W
R601	402 078 5701	WIRE WOUND 3.9 JA 7W
R605	401 068 1501	OXIDE-MT 4.7 JA 2W
R606	401 263 0111	MT-GLAZE 100K JA 1W
R607	401 263 0111	MT-GLAZE 100K JA 1W
R608	401 263 0111	MT-GLAZE 100K JA 1W
R609	401 263 0111	MT-GLAZE 100K JA 1W
R611	401 069 4402	OXIDE-MT 68K JA 2W
R612	401 069 4402	OXIDE-MT 68K JA 2W
R614	401 240 7218	MT-GLAZE 33 JA 1/3W
R615	401 162 4012	MT-GLAZE 560 JA 1/10W
R616	401 260 4211	MT-GLAZE 82 JA 1/3W
R617	401 150 6219	MT-GLAZE 1K JA 1/10W
R618	401 150 5915	MT-GLAZE 10K JA 1/10W
R619	402 079 7803	FUSIBLE RES 22 JH 1/4W
R621	401 166 0812	MT-GLAZE 330 JA 1/2W
R622	402 080 7809	MT-GLAZE 150 KA 1W
R623	402 080 7908	MT-GLAZE 180 KA 1W
R653	401 162 4012	MT-GLAZE 560 JA 1/10W
R654	401 162 2216	MT-GLAZE 10 JA 1/10W
R655	401 150 6219	MT-GLAZE 1K JA 1/10W
R656	402 079 7704	FUSIBLE RES 1.0 JH 1/4W
R657	401 256 5611	MT-GLAZE 47 JA 1/10W
R658	424 006 1500	FUSE 250V 2.5A
VARIABLE RESISTOR		
VR652	645 002 3521	VR,SEMI,470 S
TRANSFORMER		
⚠T621	645 043 3832	TRANS,POWER,PULSE
COIL		
⚠L611	645 047 0493	INDUCTOR,4M
DIODE		
D601	407 009 6921	DIODE RM11CV1
D602	407 009 6921	DIODE RM11CV1
D603	407 009 6921	DIODE RM11CV1
D611	407 190 4116	DIODE SFPL-52V
D612	407 075 5303	DIODE ERA38-06
D613	407 190 4116	DIODE SFPL-52V
D651	407 202 9808	DIODE FMB-26L
D652	407 164 2206	DIODE FMB-24L
D653	407 190 4116	DIODE SFPL-52V
D655	407 164 2206	DIODE FMB-24L
⚠DB601	407 141 1000	DIODE RBV-408
DS601	407 231 3501	THYRISTOR CR12CM-12A
DZ611	407 175 2816	ZD 02CZ12Y(TE85R)
DZ655	407 198 6617	ZD 02CZ6.8Z(TE85R)
MISCELLANEOUS		
⚠PC611	408 014 9703	PC CNY17F-3OPT1+6
	408 016 8803	PC PC113 (VDE0884)
⚠PC612	408 014 9703	PC CNY17F-3OPT1+6
	408 016 8803	PC PC113 (VDE0884)
⚠VA601	408 018 9808	VARISTOR ENC471D-14AS

PBS FANNET BOARD

⚠	610 328 7171	ASSY,PWB,PBS FANNET KF6A
CAPACITOR		
C2661	403 164 0214	CERAMIC 0.1U Z 25V
C2662	403 157 2911	CERAMIC 47P J 50V
RESISTOR		
R2661	401 150 5915	MT-GLAZE 10K JA 1/10W
R2663	401 150 5915	MT-GLAZE 10K JA 1/10W
R2664	401 150 5915	MT-GLAZE 10K JA 1/10W
DIODE		
D2661	407 149 0817	DIODE 1SS355-TE-17
D2663	407 149 0817	DIODE 1SS355-TE-17
D2664	407 149 0817	DIODE 1SS355-TE-17

EXH FANNET BOARD

⚠	610 328 7164	ASSY,PWB,EXH FANNET KF6A
RESISTOR		
R2670	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2671	401 150 5915	MT-GLAZE 10K JA 1/10W
R2672	401 150 5915	MT-GLAZE 10K JA 1/10W
R2673	401 150 5915	MT-GLAZE 10K JA 1/10W
R2674	401 150 5915	MT-GLAZE 10K JA 1/10W
R2675	401 150 5915	MT-GLAZE 10K JA 1/10W
R2676	401 150 5915	MT-GLAZE 10K JA 1/10W
R2677	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2679	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R2684	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
DIODE		
D2671	407 149 0817	DIODE 1SS355-TE-17
D2672	407 149 0817	DIODE 1SS355-TE-17
D2673	407 149 0817	DIODE 1SS355-TE-17
D2674	407 149 0817	DIODE 1SS355-TE-17
D2675	407 149 0817	DIODE 1SS355-TE-17
D2676	407 149 0817	DIODE 1SS355-TE-17

RGB IN FANNET BOARD

⚠	610 328 7157	ASSY,PWB,RGB IN FANNET KF6A
CAPACITOR		
C2651	403 164 0214	CERAMIC 0.1U Z 25V
C2652	403 157 2911	CERAMIC 47P J 50V
C2653	403 215 1016	CERAMIC 470P J 50V
C2654	403 113 3815	CERAMIC 1000P K 50V
C2655	403 157 2911	CERAMIC 47P J 50V
C2656	403 164 0214	CERAMIC 0.1U Z 25V
RESISTOR		
R2651	401 150 5915	MT-GLAZE 10K JA 1/10W
R2652	401 150 5915	MT-GLAZE 10K JA 1/10W
R2653	401 150 5915	MT-GLAZE 10K JA 1/10W
R2654	401 150 5915	MT-GLAZE 10K JA 1/10W
DIODE		
D2651	407 149 0817	DIODE 1SS355-TE-17
D2652	407 149 0817	DIODE 1SS355-TE-17
D2653	407 149 0817	DIODE 1SS355-TE-17
D2654	407 149 0817	DIODE 1SS355-TE-17

F-G NET BOARD

⚠	610 328 7119	ASSY,PWB,F-G NET KF6A
This ass'y has PWB and plugs only.		

AC NET BOARD

⚠	610 328 7195	ASSY,PWB,AC NET KF6A
This ass'y has PWB and plugs only.		

MOTOR&AUDIO BOARD

⚠	610 328 7409	ASSY,PWB,MOTOR&AUDIO KF6A
TRANSISTOR		
Q1641	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q1642	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
INTEGRATED CIRCUIT		

Key No.	Part No.	Description
IC1601	409 114 4803	IC LB1641
IC1611	409 114 4803	IC LB1641
IC1621	409 085 1900	IC LB1645N
IC1631	409 085 1900	IC LB1645N
CAPACITOR		
C1602	403 215 2211	CERAMIC 0.01U K 50V
C1603	403 215 2211	CERAMIC 0.01U K 50V
C1612	403 215 2211	CERAMIC 0.01U K 50V
C1613	403 215 2211	CERAMIC 0.01U K 50V
C1622	403 215 2211	CERAMIC 0.01U K 50V
C1623	403 281 5215	CERAMIC 0.22U Z 16V
C1631	403 393 0016	ELECT 470U M 25V
C1632	403 215 2211	CERAMIC 0.01U K 50V
C1633	403 393 0016	ELECT 470U M 25V
C1634	403 215 2211	CERAMIC 0.01U K 50V
C1642	403 215 2211	CERAMIC 0.01U K 50V
C1643	403 281 5215	CERAMIC 0.22U Z 16V
C1646	403 398 4514	ELECT 100U M 25V
C1653	403 393 0016	ELECT 470U M 25V
C1654	403 215 2211	CERAMIC 0.01U K 50V
C1656	403 393 0016	ELECT 470U M 25V
C1893	403 164 0214	CERAMIC 0.1U Z 25V
C1894	403 164 0214	CERAMIC 0.1U Z 25V
C1895	403 164 0214	CERAMIC 0.1U Z 25V
RESISTOR		
R1601	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R1602	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R1603	401 150 6219	MT-GLAZE 1K JA 1/10W
R1611	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R1612	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R1613	401 150 6219	MT-GLAZE 1K JA 1/10W
R1614	402 104 7303	WIRE WOUND 6.8 KA 3W
R1621	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R1622	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R1623	401 150 6219	MT-GLAZE 1K JA 1/10W
R1624	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1631	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R1632	401 162 3114	MT-GLAZE 3.3K JA 1/10W
R1633	401 150 6219	MT-GLAZE 1K JA 1/10W
R1634	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R1641	401 256 0111	MT-GLAZE 8.2K JA 1/10W
R1642	401 150 5915	MT-GLAZE 10K JA 1/10W
R1643	401 256 6311	MT-GLAZE 47K JA 1/10W
R1644	401 150 5915	MT-GLAZE 10K JA 1/10W
DIODE		
D1601	407 206 6318	ZD UDZS-TE-175.1B
D1603	407 149 0817	DIODE 1SS355-TE-17
D1611	407 206 6318	ZD UDZS-TE-175.1B
D1612	407 149 0817	DIODE 1SS355-TE-17
D1613	407 149 0817	DIODE 1SS355-TE-17
D1621	407 221 7116	ZENER DIODE UDZS-TE-1712B
D1622	407 149 0817	DIODE 1SS355-TE-17
D1623	407 149 0817	DIODE 1SS355-TE-17
D1631	407 221 7116	ZENER DIODE UDZS-TE-1712B
D1632	407 149 0817	DIODE 1SS355-TE-17
D1633	407 149 0817	DIODE 1SS355-TE-17
D1641	407 221 7116	ZENER DIODE UDZS-TE-1712B
CONTROL BOARD		
⚠	610 328 7416	ASSY,PWB,CONTROL KF6A
CAPACITOR		
C6801	403 298 9619	CERAMIC 0.1U K 16V
C6802	403 298 9619	CERAMIC 0.1U K 16V
C6803	403 298 9619	CERAMIC 0.1U K 16V
RESISTOR		
R6801	401 162 3015	MT-GLAZE 22K JA 1/10W
R6802	401 256 3617	MT-GLAZE 15K JA 1/10W
R6803	401 162 4111	MT-GLAZE 5.6K JA 1/10W
R6804	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R6806	401 256 5918	MT-GLAZE 2.7K JA 1/10W
R6807	401 162 2810	MT-GLAZE 1.8K JA 1/10W
R6808	401 256 3815	MT-GLAZE 1.5K JA 1/10W
R6809	401 162 3619	MT-GLAZE 470 JA 1/10W
R6812	401 162 3015	MT-GLAZE 22K JA 1/10W
R6813	401 256 3617	MT-GLAZE 15K JA 1/10W
R6814	401 162 4111	MT-GLAZE 5.6K JA 1/10W
R6816	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R6817	401 256 5918	MT-GLAZE 2.7K JA 1/10W
R6818	401 162 2810	MT-GLAZE 1.8K JA 1/10W
R6819	401 256 3815	MT-GLAZE 1.5K JA 1/10W
R6821	401 162 3619	MT-GLAZE 470 JA 1/10W
R6823	401 162 3015	MT-GLAZE 22K JA 1/10W
R6824	401 256 3617	MT-GLAZE 15K JA 1/10W
R6826	401 162 4111	MT-GLAZE 5.6K JA 1/10W
R6827	401 162 3718	MT-GLAZE 4.7K JA 1/10W
R6828	401 256 5918	MT-GLAZE 2.7K JA 1/10W
R6829	401 162 2810	MT-GLAZE 1.8K JA 1/10W
R6831	401 256 3815	MT-GLAZE 1.5K JA 1/10W
R6832	401 162 3619	MT-GLAZE 470 JA 1/10W
DIODE		
D6801	407 209 1211	ZD UDZS-TE-176.2B
D6802	407 209 1211	ZD UDZS-TE-176.2B
D6803	407 209 1211	ZD UDZS-TE-176.2B
D6804	407 209 1211	ZD UDZS-TE-176.2B
MISCELLANEOUS		
SW6801	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6802	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6803	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6804	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6806	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6807	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6809	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6811	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6812	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6813	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6814	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6819	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6821	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6822	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6824	645 025 3478	SWITCH,PUSH 1P-2TX1
SW6825	645 025 3478	SWITCH,PUSH 1P-2TX1
FRONT LED BOARD		
⚠	610 328 7423	ASSY,PWB,FRONT LED KF6A
TRANSISTOR		
Q6851	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q6852	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q6853	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q6854	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
RESISTOR		
R6851	401 162 3619	MT-GLAZE 470 JA 1/10W
R6852	401 162 3619	MT-GLAZE 470 JA 1/10W
R6853	401 162 3619	MT-GLAZE 470 JA 1/10W
R6854	401 162 3619	MT-GLAZE 470 JA 1/10W
R6855	401 162 3619	MT-GLAZE 470 JA 1/10W
R6856	401 162 3619	MT-GLAZE 470 JA 1/10W
R6857	401 162 3619	MT-GLAZE 470 JA 1/10W
R6858	401 162 3619	MT-GLAZE 470 JA 1/10W

Key No.	Part No.	Description
R6861	401 255 6510	MT-GLAZE 100 JA 1/10W
R6862	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R6863	401 255 6510	MT-GLAZE 100 JA 1/10W
R6864	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R6865	401 255 6510	MT-GLAZE 100 JA 1/10W
R6866	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R6867	401 255 6510	MT-GLAZE 100 JA 1/10W
R6868	401 150 6110	MT-GLAZE 2.2K JA 1/10W
DIODE		
D6851	407 196 9907	LED SEL4828A
D6852	407 196 9709	LED SEL4228C
D6853	407 196 9808	LED SEL4428E
D6854	407 196 9709	LED SEL4228C
D6855	407 209 1211	ZD UDZS-TE-176.2B
D6856	407 209 1211	ZD UDZS-TE-176.2B
D6857	407 209 1211	ZD UDZS-TE-176.2B
D6858	407 209 1211	ZD UDZS-TE-176.2B
D6859	407 209 1211	ZD UDZS-TE-176.2B

R/C1 BOARD

⚠	610 328 7430	ASSY,PWB,R/C1 KF6A
CAPACITOR		
C6841	403 348 5823	CERAMIC 0.47U K 10V
C6842	403 348 5823	CERAMIC 0.47U K 10V
RESISTOR		
R6842	401 255 6510	MT-GLAZE 100 JA 1/10W
DIODE		
D6841	407 221 7116	ZENER DIODE UDZS-TE-1712B
D6842	407 225 0212	DIODE RB751S-40
MISCELLANEOUS		
A6841	645 064 5914	UNIT,REMOCON RECEIVER

R/C2 BOARD

⚠	610 328 7447	ASSY,PWB,R/C2 KF6A
CAPACITOR		
C6846	403 348 5823	CERAMIC 0.47U K 10V
C6847	403 348 5823	CERAMIC 0.47U K 10V
RESISTOR		
R6847	401 255 6510	MT-GLAZE 100 JA 1/10W
DIODE		
D6846	407 221 7116	ZENER DIODE UDZS-TE-1712B
D6847	407 225 0212	DIODE RB751S-40
MISCELLANEOUS		
A6846	645 064 5914	UNIT,REMOCON RECEIVER

NET BOARD

⚠	610 328 7461	ASSY,PWB,NET KF6A

This ass'y has PWB and plugs only.

REAR LED BOARD

⚠	610 328 7478	ASSY,PWB,REAR LED KF6A
TRANSISTOR		
Q6871	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q6872	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q6873	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
Q6874	405 134 5925	TR 2SA1037AK-T146-R
	405 147 2215	TR 2SA1037AK-S-T146
	405 002 0318	TR 2SA1037K T146 R
	405 002 0417	TR 2SA1037K T146 S
	405 002 6726	TR 2SA1179-M6-TB
	405 002 6924	TR 2SA1179-M7-TB
	405 163 1513	TR 2SA1179N-M6-TB
RESISTOR		
R6871	401 255 6510	MT-GLAZE 100 JA 1/10W
R6872	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R6873	401 255 6510	MT-GLAZE 100 JA 1/10W
R6874	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R6875	401 255 6510	MT-GLAZE 100 JA 1/10W
R6876	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R6877	401 255 6510	MT-GLAZE 100 JA 1/10W
R6878	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R6881	401 162 3619	MT-GLAZE 470 JA 1/10W
R6882	401 162 3619	MT-GLAZE 470 JA 1/10W
R6883	401 162 3619	MT-GLAZE 470 JA 1/10W
R6884	401 162 3619	MT-GLAZE 470 JA 1/10W
R6885	401 162 3619	MT-GLAZE 470 JA 1/10W
R6886	401 162 3619	MT-GLAZE 470 JA 1/10W
R6887	401 162 3619	MT-GLAZE 470 JA 1/10W
R6888	401 162 3619	MT-GLAZE 470 JA 1/10W
R6891	401 162 3619	MT-GLAZE 470 JA 1/10W
R6892	401 162 3619	MT-GLAZE 470 JA 1/10W
R6893	401 162 3619	MT-GLAZE 470 JA 1/10W
R6894	401 162 3619	MT-GLAZE 470 JA 1/10W
R6895	401 162 3619	MT-GLAZE 470 JA 1/10W
R6896	401 162 3619	MT-GLAZE 470 JA 1/10W
R6897	401 162 3619	MT-GLAZE 470 JA 1/10W
R6898	401 162 3619	MT-GLAZE 470 JA 1/10W
DIODE		
D6871	407 209 1211	ZD UDZS-TE-176.2B
D6872	407 209 1211	ZD UDZS-TE-176.2B
D6873	407 209 1211	ZD UDZS-TE-176.2B
D6874	407 209 1211	ZD UDZS-TE-176.2B
D6875	407 209 1211	ZD UDZS-TE-176.2B
D6881	407 196 9907	LED SEL4828A
D6882	407 196 9709	LED SEL4228C
D6883	407 196 9808	LED SEL4428E
D6884	407 196 9709	LED SEL4228C
D6891	407 196 9907	LED SEL4828A
D6892	407 196 9709	LED SEL4228C
D6893	407 196 9808	LED SEL4428E
D6894	407 196 9709	LED SEL4228C

LAMP FANNET BOARD

⚠	610 328 7485	ASSY,PWB,LAMP FANNET KF6A
CAPACITOR		
C2631	403 215 1016	CERAMIC 470P J 50V
C2632	403 113 3815	CERAMIC 1000P K 50V
C2633	403 215 1016	CERAMIC 470P J 50V
C2634	403 113 3815	CERAMIC 1000P K 50V
C2635	403 157 2911	CERAMIC 47P J 50V
C2636	403 113 3815	CERAMIC 1000P K 50V
C2637	403 215 1016	CERAMIC 470P J 50V
C2638	403 113 3815	CERAMIC 1000P K 50V
RESISTOR		
R2631	401 190 1410	MT-GLAZE 0.000 ZA 1/2W
R2632	401 190 1410	MT-GLAZE 0.000 ZA 1/2W
R2633	401 190 1410	MT-GLAZE 0.000 ZA 1/2W
R2634	401 190 1410	MT-GLAZE 0.000 ZA 1/2W
R2635	401 150 5915	MT-GLAZE 10K JA 1/10W
R2636	401 150 5915	MT-GLAZE 10K JA 1/10W
R2637	401 150 5915	MT-GLAZE 10K JA 1/10W
R2638	401 150 5915	MT-GLAZE 10K JA 1/10W
DIODE		
D2631	407 149 0817	DIODE 1SS355-TE-17
D2632	407 149 0817	DIODE 1SS355-TE-17
D2633	407 149 0817	DIODE 1SS355-TE-17
D2634	407 149 0817	DIODE 1SS355-TE-17

LAMP NET BOARD

Key No.	Part No.	Description
KF6-XF46N00		
⚠	610 328 7454	ASSY,PWB,LAMP NET KF6A
TRANSISTOR		
Q9600	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
CAPACITOR		
C9601	403 298 9619	CERAMIC 0.1U K 16V
C9611	403 298 9619	CERAMIC 0.1U K 16V
C9612	403 298 9619	CERAMIC 0.1U K 16V
RESISTOR		
R9603	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9604	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9612	401 150 5915	MT-GLAZE 10K JA 1/10W
R9616	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R9617	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R9621	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9622	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9623	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9624	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9642	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R9643	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R9644	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R9651	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9653	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9655	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9656	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9661	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9663	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9668	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9669	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9672	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9674	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
DIODE		
D9636	407 149 0817	DIODE 1SS355-TE-17
LF6-XF46E00		
⚠	610 330 3659	ASSY,PWB,LAMP NET LF6A
TRANSISTOR		
Q9600	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
Q9631	405 014 4519	TR 2SC2412K T146 R
	405 014 4618	TR 2SC2412K T146 S
	405 015 8724	TR 2SC2812-L6-TB
	405 015 8922	TR 2SC2812-L7-TB
	405 163 1612	TR 2SC2812N-L6-TB0
INTEGRATED CIRCUIT		
IC9631	409 461 7314	IC AD8057ARTZ-REEL7
IC9632	409 461 7314	IC AD8057ARTZ-REEL7
CAPACITOR		
C9601	403 298 9619	CERAMIC 0.1U K 16V
C9611	403 298 9619	CERAMIC 0.1U K 16V
C9612	403 298 9619	CERAMIC 0.1U K 16V
C9631	403 164 0214	CERAMIC 0.1U Z 25V
C9632	403 381 9915	ELECT 470U M 16V
C9633	403 381 9915	ELECT 470U M 16V
C9634	403 164 0214	CERAMIC 0.1U Z 25V
RESISTOR		
R9603	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9604	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9612	401 150 5915	MT-GLAZE 10K JA 1/10W
R9616	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R9617	401 150 6110	MT-GLAZE 2.2K JA 1/10W
R9621	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9622	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9623	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9624	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9631	401 105 0415	MT-GLAZE 100 JA 1/16W
R9632	401 105 4017	MT-GLAZE 330 JA 1/16W
R9633	401 105 0415	MT-GLAZE 100 JA 1/16W
R9634	401 105 0514	MT-GLAZE 1K JA 1/16W
R9635	401 105 0514	MT-GLAZE 1K JA 1/16W
R9636	401 211 9913	MT-GLAZE 12K FA 1/16W
R9637	401 212 0018	MT-GLAZE 15K FA 1/16W
R9638	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9639	401 105 5311	MT-GLAZE 4.7K JA 1/16W
R9642	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R9643	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R9644	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
R9651	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9653	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9655	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9656	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9661	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9663	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9668	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9669	401 162 2414	MT-GLAZE 1.2K JA 1/10W
R9672	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
R9674	401 150 6011	MT-GLAZE 0.000 ZA 1/10W
COIL		
L9631	401 037 5014	MT-GLAZE 0.000 ZA 1/10W
DIODE		
D9631	407 223 5011	DIODE D1FM3
D9632	407 223 5011	DIODE D1FM3
D9633	407 223 5011	DIODE D1FM3
D9634	407 223 5011	DIODE D1FM3
D9636	407 149 0817	DIODE 1SS355-TE-17

(PLC-XF46N/E) MAY 2006 BB 400 Printed in Japan

SANYO Electric Co., Ltd.

■ Diagrams & Drawings

Block Diagrams
Schematic Diagrams
Printed Wiring Board Drawings

Model	Chassis No.
PLC-XF46N	KF6-XF46N00
PLC-XF46E	LF6-XF46E00

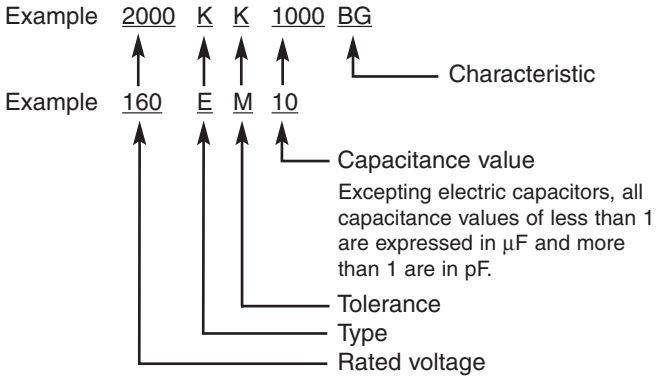
These schematic diagrams and printed wiring board drawings are part of the service manual original for chassis No. KF6-XF46N00, LF6-XF46E00 models PLC-XF46N/46E. File with the service manual No. SM5110783-00.

Note:
All the information of part numbers and values indicated on these diagrams are at the beginning of production. To improve the performance, there may be some differences to the actual set. When you order the service parts, use service parts code mentioned on the parts list in this service manual.

■ Parts description and reading in schematic diagram

1. The parts specification of resistors, capacitors and coils are expressed in designated code. Please check the parts description by the following code table.
2. Some of transistors and diodes are indicated in mark for the substitution of parts name. Please check the parts name by the following code table.
3. Voltages and waveforms were taken with a video color bar signal(1Vp-p at 75 ohms terminated) and controls to normal.
4. Voltages were taken with a high-impedance digital voltmeter.

Capacitor Reading


Example 2000 K K 1000 BG
Characteristic
Example 160 E M 10
Capacitance value
Excepting electric capacitors, all capacitance values of less than 1 are expressed in μF and more than 1 are in pF.
Tolerance
Type
Rated voltage

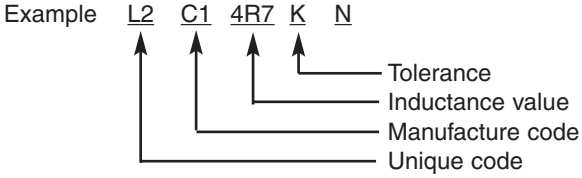
Material table

Mark	Material
E	Electrolytic
P	Electrolytic (non-polarized)
C	Ceramic (temperature compensation)
K	Ceramic
F	Polyester
N	Polypropylene
M	Metalized polypropylene
H	Metalized polypromylar
B	Ceramic (semiconductor)
G	Metalized polyestel
Y	Composite film
S	Styrol
T	Tantalum oxide solid electrolytic
U	Organic semiconductive electrolyte
D	Electric double layer electrolytic

Tolerance table

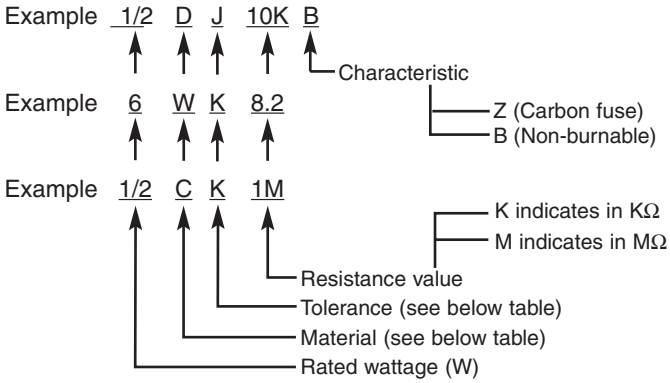
Mark	Tolerance
A	not specified
B	±0.1
C	±0.25
D	±0.5
F	±1
G	±2
E	±2.5
H	±3
J	±5
K	±10
M	±20
N	±30
P	+100 -0
Q	+30 -10
T	+50 -10
U	+75 -10
V	+20 -10
W	+100 -10
X	+40 -20
Y	+150 -10
Z	+80 -20

Coil Reading



Mark	Tolerance (nH)	Mark	Tolerance (%)
C	±0.25	G	±2
D	±0.5	J	±5
S	±0.3	K	±10
A	±0.2	L	±15
		M	±20

Resistor Reading



Note: Resistor which is indicated with resistance value only are 1/6W carbon resistor. Resistor which is indicated with material, tolerance and value are 1/4W rated wattage.

Material table

Mark	Material
D	Carbon
N	Metal film
S	Oxide metal film
C	Solid
G	Metal glaze
W	Wire wounding or cement
H	Ceramic
F	Fusible

Tolerance table

Mark	Tolerance
A	±0.05
B	±0.1
C	±0.25
D	±0.5
F	±1
G	±2
J	±5
K	±10
M	±20
P	+5 -15
Z	used in 0 ohm

Diode/Transistor Type Reading

Diode

Mark	Type number
R	1S2076A,1S2473,1N4148
AA	1S2076A,1S2473,1SS133,1N4148

Transistor

(1) NPN type

Mark	Type number				
--	2SC536	2SC945A	2SC1815	2SC1740S	
AD	NF, NG	PA, QA	Y, GR	Q, R, S	
AE	NF, NG	PA, QA, RA	O, Y, GR	Q, R, S	

(2) PNP type

Mark	Type number				
--	2SA608	2SA564A	2SA1015	2SA933S	
AB	NF	R	Y, GR	R	
AC	NF	Q, R	O, Y, GR	Q, R	

(3) Chip type

Mark	Type number				
--	2SA1179/N	2SA1037K	2SA1037AK	2SC2812/N	2SC2412K
AJ	M6, M7	R, S	R, S		
AH				L6, L7	R, S

■ Block Diagrams

ASS'Y DVI

ASS'Y COMPONENT

ASS'Y AV

ASS'Y D-SUB15

ASS'Y CG-MOTHER

ASS'Y RS232C

ASS'Y R/C_1 (FRONT)

ASS'Y LENS_NET

ASS'Y MOTOR&AUDIO

INPUT SIGNAL SELECTING STAGE

SIGNAL PROCESSING STAGE

LCD DRIVING STAGE

R-LCD PANEL

G-LCD PANEL

B-LCD PANEL

ASS'Y MAIN

SYSTEM CONTROL BLOCK

ASS'Y R/C2 (REAR)

ASS'Y REAR LED

ASS'Y LAMP NET

ASS'Y CONTROL

ASS'Y LAMP FANNET

ASS'Y EXH FANNET

LAMP COVER SW

THERMAL SWITCHES

ASS'Y PBS FANNET

ASS'Y RGB IN FANNET

ASS'Y SENSOR

ASS'Y FRONT LED

UNIT_SUB-POWER

ASS'Y POWER

ASS'Y AC_NET

CURRENT SENSOR

NOISE FILTER

MAINS SW

FUSE

AC INPUT

PRIMARY CIRCUIT

Block Diagrams B1
OVERVIEW

■ Schematic Diagrams

A901
UNIT_SUB POWER

ASSY,PWB,MAIN
See Page A9 - A14 (S6 - S11)

ASSY,PWB,CGMOTHER
See Page A4 (S2)

ASSY,PWB,RS232C
See Page A4 (S2)

CAUTION
Fuse of the specified parts number must be used.
Unauthorized substitutions may result in fire or accident.

CAUTION

Components indicated by a mark ⚠ in this schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of these parts must be made by exactly the same parts.

This projector is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing.
① Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
② Do not shorten the circuit between hot and cold sides.
③ The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.

TYPE / PANEL	L	R
B	1AV4T40B76400	1AV4T40B76700
G	1AV4T40B76300	1AV4T40B76600
R	1AV4T40B76200	1AV4T40B76500

CHIP	2SA1035K	2SA1035K	2SA1179
AJ	R,S	R,S	M6,M7
	2SC2412K	2SC2812	
AH	R,S	L6,L7	

PRIMARY CIRCUIT SECONDARY CIRCUIT

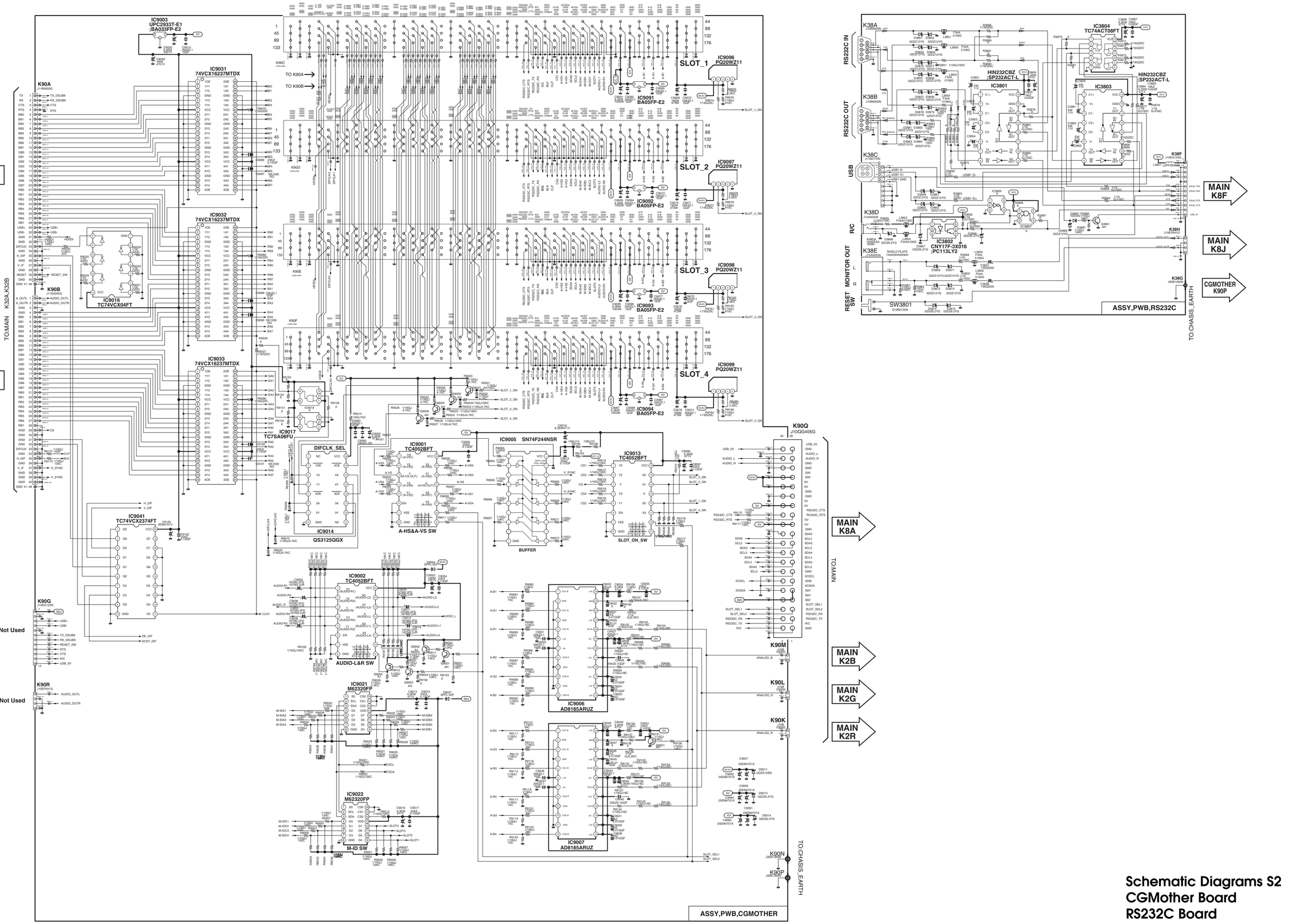
The AC current sensor does not exist in some particular models.

The AC current sensor and the peripheral circuit do not exist in some particular models.

ASSY,PWB,LAMP NET (FOR USA& CANADA)
C9631 C9632 C9633 C9634 ---> X
D9631 D9632 D9633 D9634 ---> X
IC9631 IC9632 ---> X
KW96V KW96W ---> X
Q9631 ---> X
R9631 R9632 R9633 R9634 R9635 R9636 R9637 ---> X
R9638 R9639 ---> X

Schematic Diagrams S2 Overview

Schematic Diagrams S2
CGMother Board
RS232C Board


IC9003 UPC2933T-E1 ;BA033FP-E2
IC9031 74VCX16237MTDX
IC9032 74VCX16237MTDX
IC9033 74VCX16237MTDX
IC9017 TC7SA08FU
IC9041 TC74VCX2374FT
IC9016 TC74VCX04FT
K90A J11B45500
K90B J11B45500
K90C
K90D
K90E
K90F
TO K90A
TO K90B
SLOT_1
SLOT_2
SLOT_3
SLOT_4
IC9096 PQ20WZ11
IC9097 PQ20WZ11
IC9098 PQ20WZ11
IC9099 PQ20WZ11
IC9091 BA05FP-E2
IC9092 BA05FP-E2
IC9093 BA05FP-E2
IC9094 BA05FP-E2
SLOT_1_ON
SLOT_2_ON
SLOT_3_ON
SLOT_4_ON
DIFCLK_SEL
IC9014 QS3125QGX
IC9001 TC4052BFT
A-HS&A-VS SW
IC9005 SN74F244NSR
BUFFER
IC9013 TC4052BFT
SLOT_ON_SW
IC9002 TC4052BFT
AUDIO-L&R SW
IC9021 M62320FP
IC9022 M62320FP
M-ID SW
IC9006 AD8185ARUZ
IC9007 AD8185ARUZ
K90Q J10QG405G
K90M J10QG405G
K90L J10QG405G
K90K J10QG405G
K90N J30B1804N
K90P J30B1804N
K90R J10B76410
K90G J10EG120G
SW9001 SW9002
SW9003 SW9004
SW9005 SW9006
SW9007 SW9008
SW9009 SW9010
SW9011 SW9012
SW9013 SW9014
SW9015 SW9016
SW9017 SW9018
SW9019 SW9020
SW9021 SW9022
SW9023 SW9024
SW9025 SW9026
SW9027 SW9028
SW9029 SW9030
SW9031 SW9032
SW9033 SW9034
SW9035 SW9036
SW9037 SW9038
SW9039 SW9040

ASSY,PWB,D-SUB15

ANALOG_RGB

AUDIO_INPUT

CONTROL PORT

K71A J11B7726N ;J11B4890N

K72A J12B2870N

K72B J11B4090N

K71H J13A7108

IC7102 AD8057ARTZ

IC7103 AD8057ARTZ

IC7104 AD8057ARTZ

IC7105 SN74AHCT1G14DBVR

IC7106 SN74AHCT1G14DBVR

IC7141 BA7078AF-E2

IC7144 SN74AHCT1G14DBVR

IC7143 SN74AHCT1G14DBVR

IC7142 SN74AHCT1G14DBVR

IC7191 24LC21AT/SN

IC7192 TC4053BF

IC7171 QS3125QGX

IC7172 M62320FP-DF5J

IC7231 HIN232CBZ ;SP232ACT-L

IC7161 LA7217M-T

IC7241 TMP47C101MG-JV45

IC7221 MN1382-Q-TX

IC7251 TWM7000-151020

IC7261 TWM7000-162020

IC7271 BA05FP-E2

EEPROM IC7281 24LC02BT-I/SNG ;24LC04BT/SN

CGMOTHER K90F

P-FAIL

Schematic Diagrams S3
D-sub15 Board

Schematic Diagrams S4
AV Board

IC1101
UPD64082GF-3BA
3D_YC_SEPARATE

IC1121
BA033FP

IC1131
MSM54V126258BSL-40T
FIELD MEMORY

IC1191
TC7SET04FU

IC1141
TC4053BF

IC2101
CXD2064Q
3LINE_YC
SEPARATE

IC2141
M62398FP

IC2142
M62320FP
I/O EXPANDER

IC2143
24LC08BT-I/SNG
EEPROM

IC2151
TC4W53F
C.V_/_Y/C SW

IC2161
TC4053BF
S/BNC & NTSC/PAL SW

IC3121
TDA8395T/N3
SECAM DECORDER

IC3131
TDA4665T/V5T
PAL SECAM DELAY

IC3141
CXA2019AQ
NTSC/PAL
CHROMA
DECODER

IC3151
AD8057ARTZ

IC3161
SI-3012LU

IC4101
CXA2101AQ
MULTI-COMPONENT
PROCESSOR

IC4111
TC7SET04FU

IC4112
TC7SET04FU

IC4141
TC4053BF

IC5101
TC90A11F
3D_NOISE REDUCTION

IC5111
PST600DMT

IC5150
MSM5182214-25GS-K
FIELD MEMORY

IC5181
AD8057ARTZ

IC5182
AD8057ARTZ

IC5183
AD8057ARTZ

CHIP

	2SA1035K	2SA1036K	2SA1179
AJ	R,S	R,S	M6,M7
	2SC2412K	2SC2812	
AH	R,S	L6,L7	

SW_4

SW_2+3	

INPUT	COLOR SYSTEM	SW_4
Y/C INPUT	ALL	HIGH
VIDEO INPUT	PAL	HIGH
	SECAM	LOW
	NTSC4.43	LOW
	NTSC3.58	HIGH
	MONOCHROME	LOW

C.Sync
Hi
CLK
DATA

CGMOTHER
K90E

ASSY,PWB DVI

IC8001
SII169CTG100

DIGITAL INTERFACE

IC8072
TC74VCX16374FT

IC8073
TC74VCX16374FT

IC8071
TC74VCX16374FT

IC8020
TC74VCX374FT

IC8015
TC7SZ04FU

IC8017
TC7SZ04FU

IC8016
TC7SZ04FU

IC8051
BA7078AF-E2

IC8062
AD8057ARTZ

IC8063
AD8057ARTZ

IC8064
AD8057ARTZ

IC8065

IC8064/8065
SN74AHCT1G14DBVR

IC8034
TC7W53FU

IC8031
SN74AHCT1G14DBVR

IC8041
LA7217M-T-TRM

IC8051
QS3125QGX

IC8033
SN74AHCT1G14DBVR

IC8035
TC7W53FU

IC8032
SN74AHCT1G14DBVR

IC8199
PCA9544APW

IC8198
24LC16BT-I/SNG

IC8191
MD1222N

IC8195
24C02CT-I/SNG

IC8196
TC74LVX4053FT

IC8194
TC74LVX4053FT

IC8197
TC74LVX4053FT

IC8193
24C01CT/SN

IC8161
TC7S08F

IC8172
BA05FP-E2

IC8181
M62320FP

IC8182
M62320FP

IC8152
TWM7000-162020

IC8141
HIN232CBZ
;SP232ACT-L

IC8171
TC7SH00FU

IC8151
TWM7000-151020

EEPROM
FOR HDCP

EEPROM
FOR PC

FOR SLOT ID

I/O EXPANDER

MOUSE CONTROL

SYNC SEPARATER

DVI_INPUT

CONTROL_PORT

AUDIO_INPUT

K80A
J11B7310N

K81A
J12B2870N

K81B
J11B4090N

K81B
1A4JE4A
0606

CGMOTHER
K90C

ASSY,PWB COMPONENT

IC3081
AD8057ARTZ

IC3082
AD8057ARTZ

IC3083
AD8057ARTZ

IC3084
AD8057ARTZ

IC1004
SYNC SEPARATER

IC1005
IC1004/IC1005
SN74AHCT1G14DBVR

IC2001
AD8075ARUZ

RGB VIDEO BUFFER

IC2071
AD8183ARUZ

IC2081
M62320FP

I/O EXPANDER

IC2082
24LC02BT-I/SNG
;24LC04BT/SN

EEPROM

IC1061
TA1318N

IC1051
BA7078AF-E2

SYNC SEPARATER

IC1053
SN74AHC1G14DBVR

IC1052
SN74AHCT1G14DBVR

IC1054
SN74AHCT1G125DCK

IC1056
SN74AHCT1G14DBVR

IC2052
SN74LS221DBR

IC2091
TC74HC4053AFT(EL)

IC2041
PQ20WZ11

IC3031
HIN232CBZ
:SP232ACT-L

IC2051
LA7217M-T SYNC SEPARATER

IC3071
BA05FP-E2

IC3061
TWM7000-162020

IC3091
TC7SH00FU

IC3051
TWM7000-151020

MOUSE CONTROL

I/O EXPANDER

COMPONENT_INPUT

AUDIO_INPUT

CONTROL_PORT

K10A
J11B9309

K10B
J12B2870N

K10C
J11B4090N

K10H
J11B4109N

CGMOTHER
K90D

Schematic Diagrams S5
DVI Board
Component Board

K32A
J11B4050G

K32B
J11B4050G

FROM MOTHER BOARD

K90A

K90B

K2R
J10B03000G

K2G
J10B03000G

K2B
J10B03000G

K90M

K90L

K90K

TP201

TP211

TP221

IC8201
TC74VCX16244FT

IC8211
TC74VCX16244FT

IC8221
TC74VCX16244FT

DVI 3-STATE BUFFER

IC8271
TC7SA08FU

IC8252
TC7SH04FU

IC8251
TC74VCX244FT

IC8254
TC7SH04FU

IC8253
TC7WH125FU

IC4201
I / P
CONVERTER

IC8261
HD74LVC14T

IC2302
SI-3025LSA-TL

IC2303
AH

IC2301
XC2S200-5FGG256C
SW_FPGA

IC301
SCAN
CONVERTER

(BOTTOM_VIEW)

IC8201
IC8211
IC8221
BUFFER

IC2201
A/D

IC2201
AD9888KSZ-170-308
A/D

IC2251
BA033FP
:UPC2933T

IC2291
BA05FP-E2

IC201
AD8057ARTZ

IC211
AD8057ARTZ

IC221
AD8057ARTZ

IC281
LT1260CS

IC282
TC7SET04FU

IC2261
CXA2151Q

VIDEO/SYNC
SELECTOR

Schematic Diagrams S6
Main Board P.1/6

SCH_KF6A

A9

KF6A-06

IC6314
EM638325TS-6
SDRAM

IC6316
EM638325TS-6
SDRAM

IC4252
LT1587CM-3.3

IC4251
SI-3025LSA-TL

IC4201
TC240C4FTB-C006
<TOP_VIEW>
I/P_CONVERTER

IC2301
SW_FPGA

IC6317
EM638325TS-6
SDRAM

IC6318
EM638325TS-6
SDRAM

IC4261
TC74VCX16374FT

IC4271
TC74VCX16374FT

IC4281
TC74VCX16374FT

IC4291
TC74VCX244FT

IC4293
TC7PA04FU

IC4231
ICS1523MLFT

IC301
SCAN
CONVERTER

Schematic Diagrams S7
Main Board P.2/6

IC4201
I/P CONV.

IC4261
IC4271
IC4281
BUFFER

IC2301
SW_FPGA

FROM:SW_FPGA

FROM:SW_FPGA

FROM:SW_FPGA

IC301
PW365-20UL

SCAN CONVERTER

<BOTTOM_VIEW>

IC301
SCAN
CONVERTER

IC1353/1354
BUFFER

IC4401
FPGA

IC1311
24LC16BT-I/SNG

IC1302
TC7S32FU

IC1351
S29AL008D70TFI010714

IC1352
IC61LV6416-15TG

IC1353
TC74VCX16244FT

IC1354
TC74VCX16244FT

IC1363
PQ033EZ01ZP

IC1362
SI-3025LSA-TL

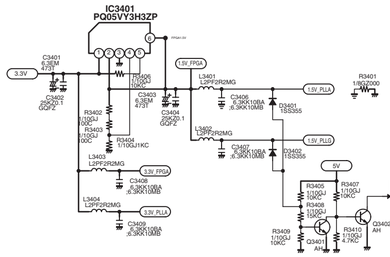
IC1341
ICS512MLFT

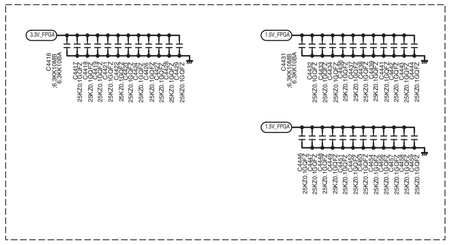
IC1331
ICS512MLFT

K301

K302
LEAD FREE-->X

Schematic Diagrams S8
BGA Board P.3/6


IC3401
PQ05VY3H3ZP
3.3V
C3401
6.3EM
47/3
C3409
25KZ0.1
0GFZ
R3405
1/10GJ
10KC
C3403
6.3EM
47/3
C3404
25KZ0.1
0GFZ
R3402
1/10GJ
10KC
R3403
1/10GJ
10KC
R3404
1/10GJ1KC
L3403
L2PF2R5MG
3.3V_FPGA
C3408
6.3EK100A
/6.3MK100MB
L3404
L2PF2R5MG
3.3V_PLLA
C3409
6.3EK100A
/6.3MK100MB
1.5V_FPGA
L3401
L2PF2R2MG
1.5V_PLLA
C3406
6.3EK100A
/6.3MK100MB
D3401
1SS355
L3402
L2PF2R2MG
1.5V_PLLB
C3407
6.3EK100A
/6.3MK100MB
D3407
1SS355
5V
R3405
1/10GJ
10KC
R3407
1/10GJ
10KC
R3408
1/10GJ
10KC
R3409
1/10GJ
10KC
Q3401
AH
R3410
1/10GJ
4.7KC
Q3402
AH
P-FAIL
PF_1.5V
R3401
1/8GZ000


3.3V_FPGA
1.5V_PLLA
1.5V_PLLB
C3411
C3412
C3413
C3414
C3415
C3416
C3417
C3418
C3419
C3420
C3421
C3422
C3423
C3424
C3425
C3426
C3427
C3428
C3429
C3430
C3431
C3432
C3433
C3434
C3435
C3436
C3437
C3438
C3439
C3440
C3441
C3442
C3443
C3444
C3445
C3446
C3447
C3448
C3449
C3450

IC401
CXD3531R
DIGITAL GAMMA

IC4401
FPGA

IC1411
TC74VCX125FT

IC1421
PQ018EZ01Z

IC1431
TC74VCX125FT

IC501
CXA7005R
SAMPLE & HOLD
RED

IC1501
CXA7005R
SAMPLE & HOLD
RED

IC531
CXA7005R
SAMPLE & HOLD
GREEN

IC1531
CXA7005R
SAMPLE & HOLD
GREEN

IC561
CXA7005P
SAMPLE & HOLD
BLUE

IC1561
CXA7005R
SAMPLE & HOLD
BLUE

IC2523
PQ20WZ11

IC2522
PQ20WZ11

IC2581
TC7SH14FU

IC2541
LM76CHMX-5
TEMP SENSOR
FOR PANEL

IC2591
TC7SH14FU

IC2521
TC7SH14FU

TP503
TP501
TP533
TP531
TP563
TP561

XGA
RED
PANEL

XGA
GREEN
PANEL

XGA
BLUE
PANEL

Schematic Diagrams S10
Main Board P.5/6

KF6A-10

SCH_KF6A

A13

RGB IN FANNET K36A

LAMP NET K86A

BALLAST3 CJ2

PFC3_4 CH6

BALLAST4 CJ2

EXH FANNET K56A

SUB POWER K66D

RS232C K38F

TEMP SENSOR PT1901

RS232C K38H

LAMP NET K95A

TO:AC100V_SENSER

MOTOR& AUDIO K16A

CGMOTHER K90Q

LAMP FANNET K46L

IC801
HD64F7045F28-0716
MAIN CPU

IC1801 M66501FP
I/O EXPANDER

IC9801 ML60851DTB
USB CONTROLLER

IC1881 HD74HCT244TV ;SN74HCT244PWR

IC2801 TC7W240FU

IC887 AD8057ART2

IC886 MPXHZ6115A6T1
PRESSURE SENSOR

IC4461 BA05FP-E2

IC802 MN1382-Q-TX

IC893 TC7SZ125FU

IC803 TC7S08FU

IC1812 TC7WT125FU

IC1822 SN74LVC374APW

IC1821 TC74ACT138FT

IC1824 TC7S32FU

IC4833 TC7SZ32FU

IC1823 TC74AC139FT

IC4832 TC74LCX244FT ;HD74LVC244T

IC4831 TC74LCX244FT ;HD74LVC244AT

IC4811 TC74LCX244FT ;HD74LVC244AT

IC4847 TC74LCX541FT

IC4846 TC74LCX541FT

IC4845 TC74LCX541FT

IC4841 TC74ACT541FT

IC4842 TC74ACT541FT

IC4843 TC74ACT541FT

IC4844 TC74ACT541FT

IC4851 TC7SH04FU

IC4871 TC74LCX244FT ;HD74LVC244AT

IC4855 SN74AHC1G08HDCK3

IC872 LVCC4245APWR

IC873 LVCC4245APWR

IC874 TC74LCX244FT ;HD74LVC244AT

IC875 TC74LCX244FT ;HD74LVC244AT

IC876 TC74LCX244FT ;HD74LVC244AT

IC892 M5M5100BDFP-70HI
SRAM

IC871 S29AL016D70TFI02
FLASH MEMORY

IC1811 24LC16BT/SNG
EEPROM

IC5641 PQ20WZ11

IC1871 EL2244CS

IC7801 M62399FP
DAC

IC7821 PQ20WZ11

IC7841 PQ20WZ11

IC7861 PQ20WZ11

IC7881 PQ20WZ11

IC5651 PQ20WZ11

IC9802 TC7SH14FU

IC9821 TC7SH14FU

IC5832 TC7SH14FU

IC5833 TC7SH14FU

IC9831 TC7SH14FU

IC5831 TC7SH14FU

IC9811 TC7SH14FU

IC9801 TC7SH14FU

IC9841 TC7SH14FU

IC9851 TC7SH14FU

IC9861 TC7SH14FU

IC9871 TC7SH14FU

IC9881 TC7SH14FU

IC9891 TC7SH14FU

IC9901 TC7SH14FU

IC9911 TC7SH14FU

IC9921 TC7SH14FU

IC9931 TC7SH14FU

IC9941 TC7SH14FU

IC9951 TC7SH14FU

IC9961 TC7SH14FU

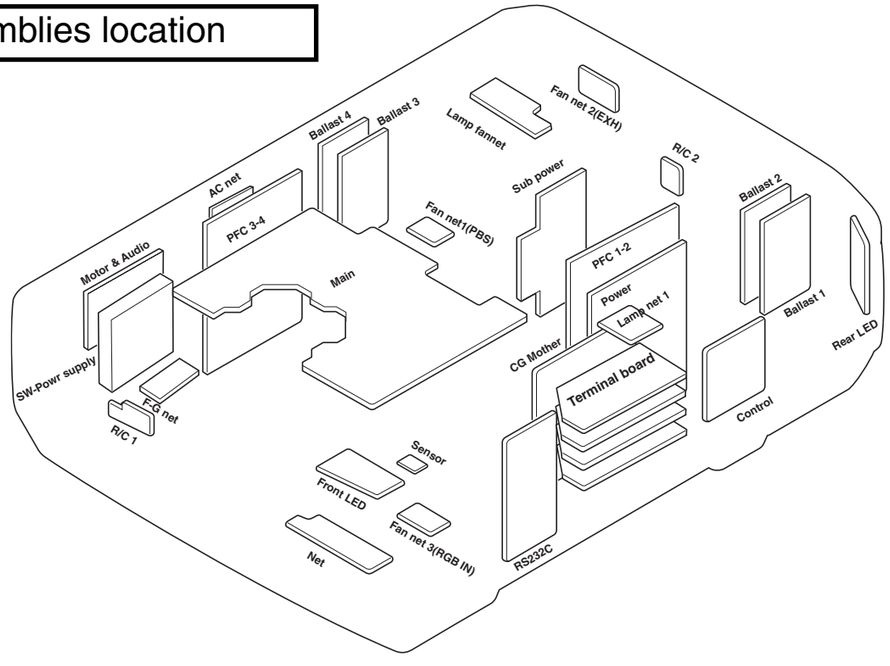
IC9971 TC7SH14FU

IC9981 TC7SH14FU

IC9991

■ Printed Wiring Board Diagrams

PWB assemblies location

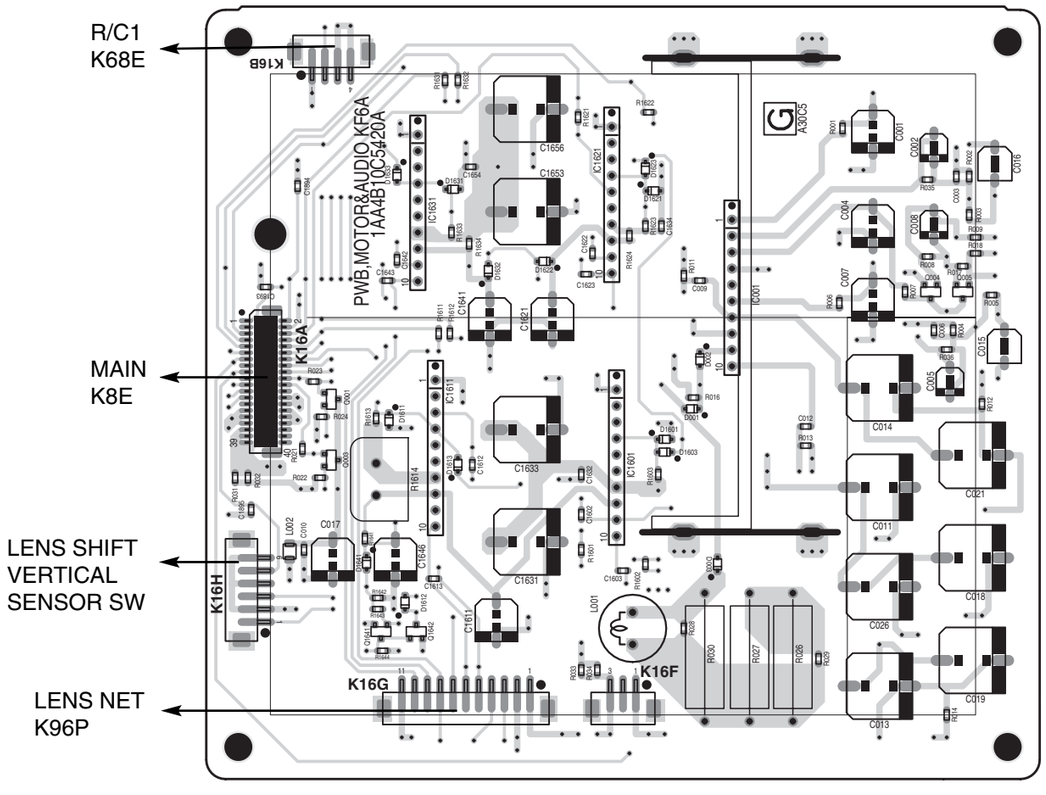


⚠ CAUTION

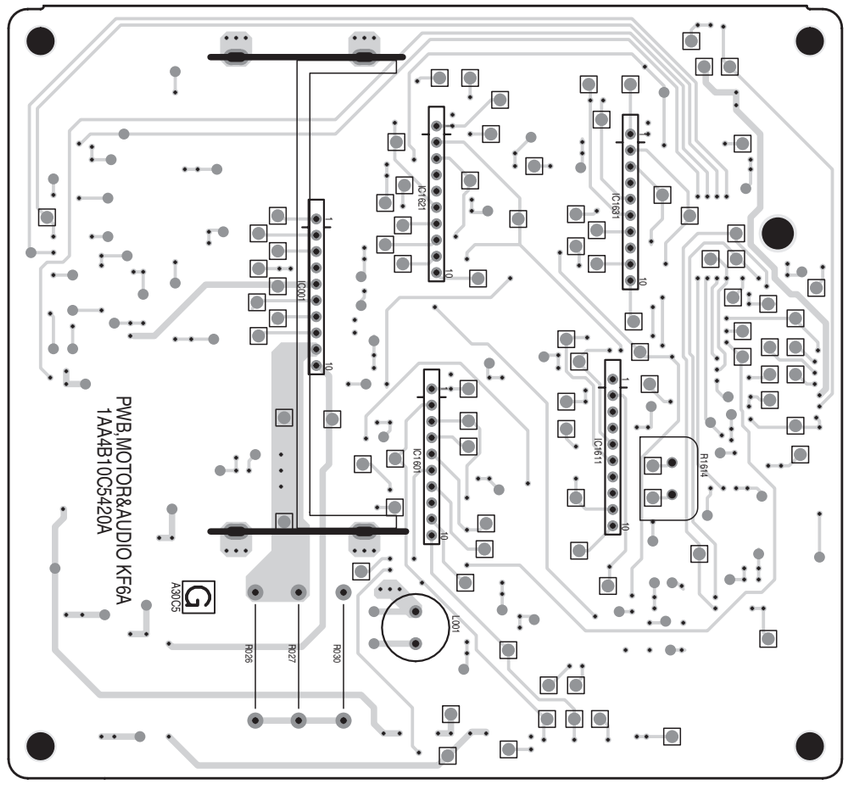
This projector is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing

1. Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
2. Do not shorten the circuit between hot and cold sides.
3. The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.

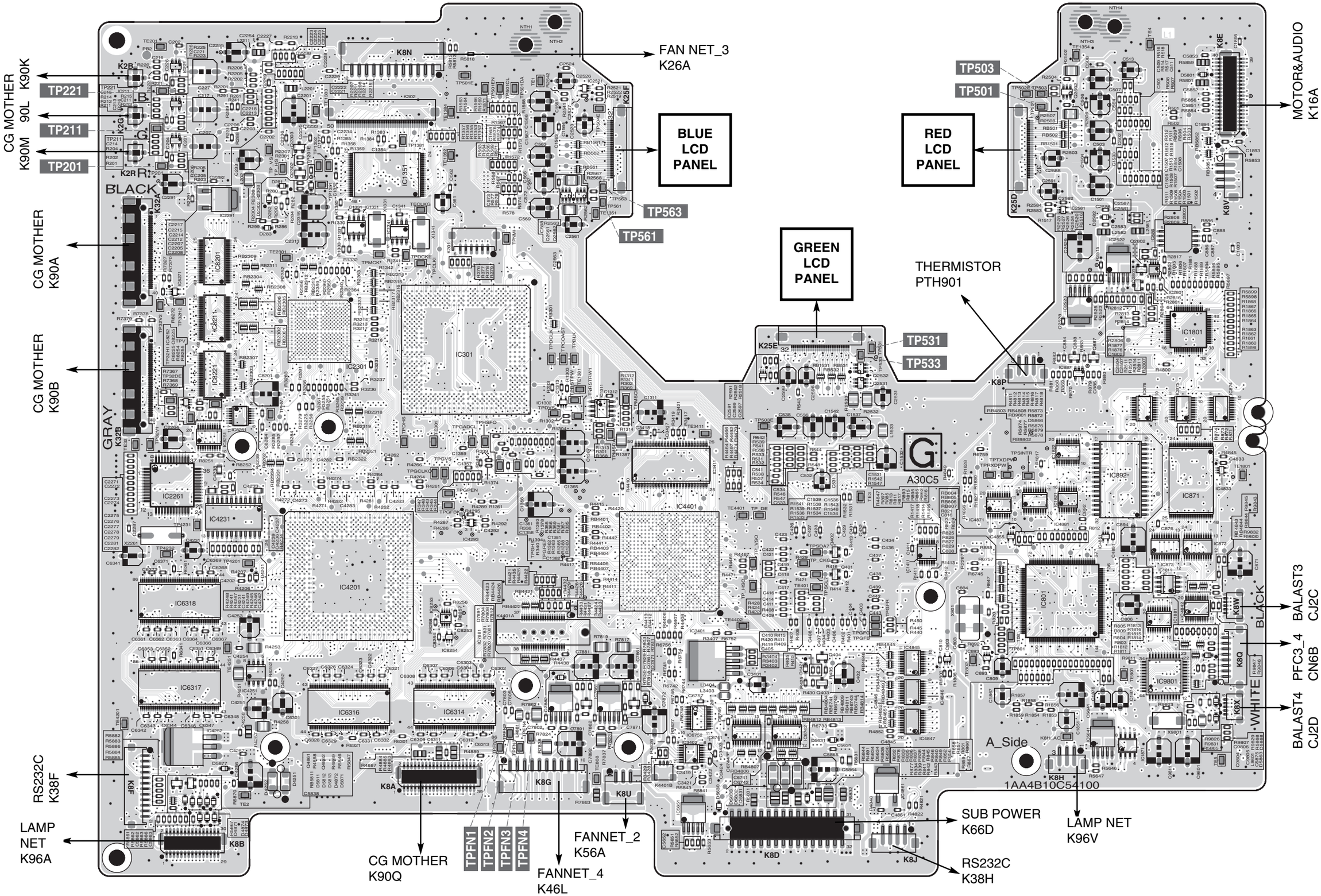
MOTOR&AUDIO (side-A)



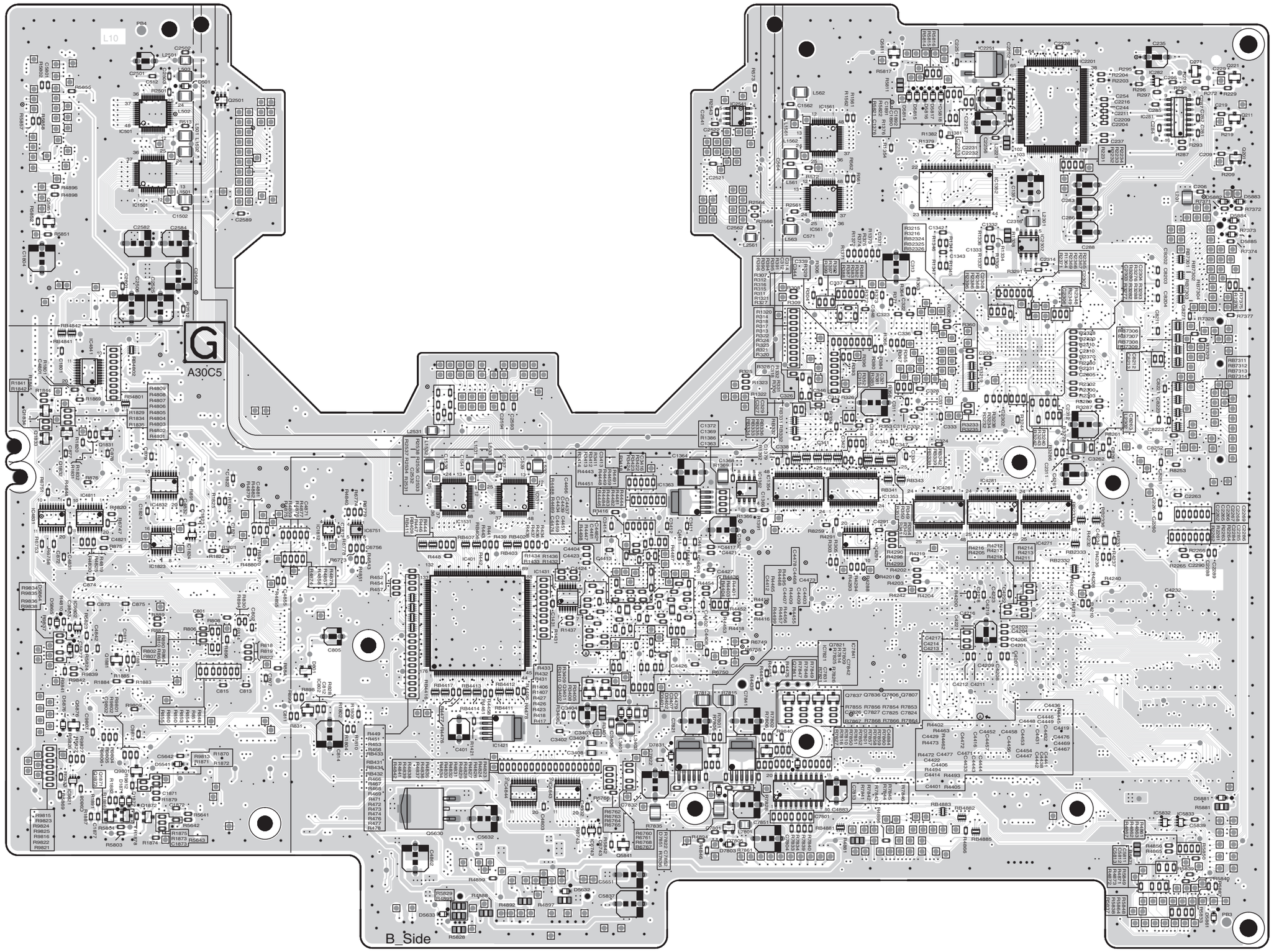
MOTOR&AUDIO (side-B)



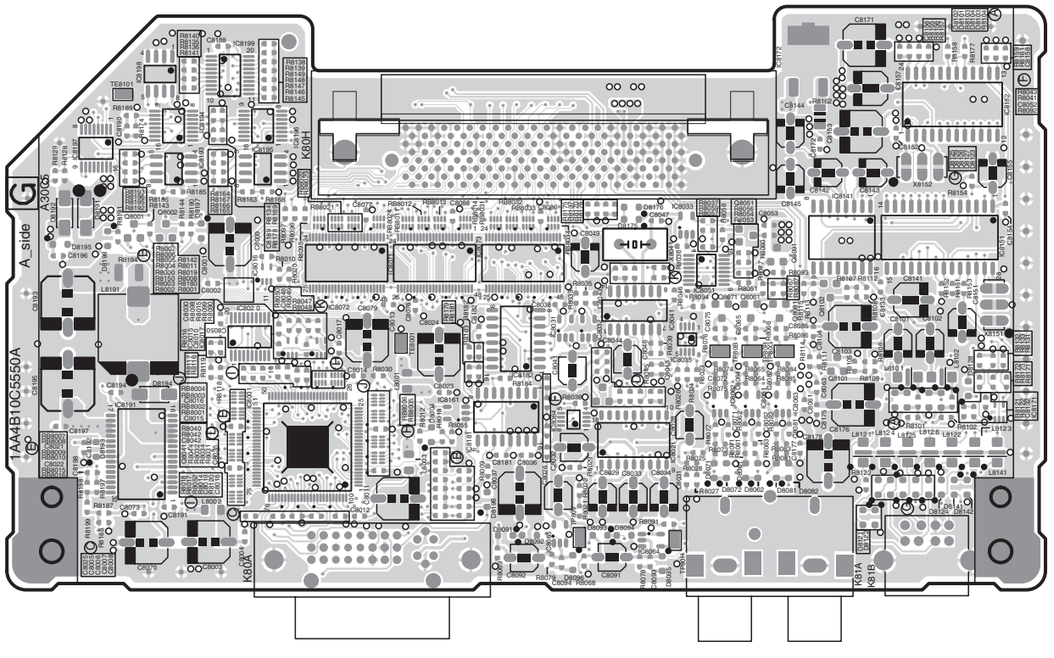
MAIN (side-A)


CG MOTHER
K90M 90L K90K
TP221
TP211
TP201
CG MOTHER
K90A
CG MOTHER
K90B
RS232C
K38F
LAMP
NET
K96A
FAN NET_3
K26A
BLUE
LCD
PANEL
TP563
TP561
GREEN
LCD
PANEL
RED
LCD
PANEL
TP503
TP501
MOTOR&AUDIO
K16A
THERMISTOR
PTH901
TP531
TP533
SUB POWER
K66D
LAMP NET
K96V
RS232C
K38H
CG MOTHER
K90Q
FANNET_2
K56A
FANNET_4
K46L
TPFN1
TPFN2
TPFN3
TPFN4
BALAST3
CJ2C
PFC3_4
CN6B
BALAST4
CJ2D
BLACK
WHITE
A30C5
A_Side
1AA4B10C54100

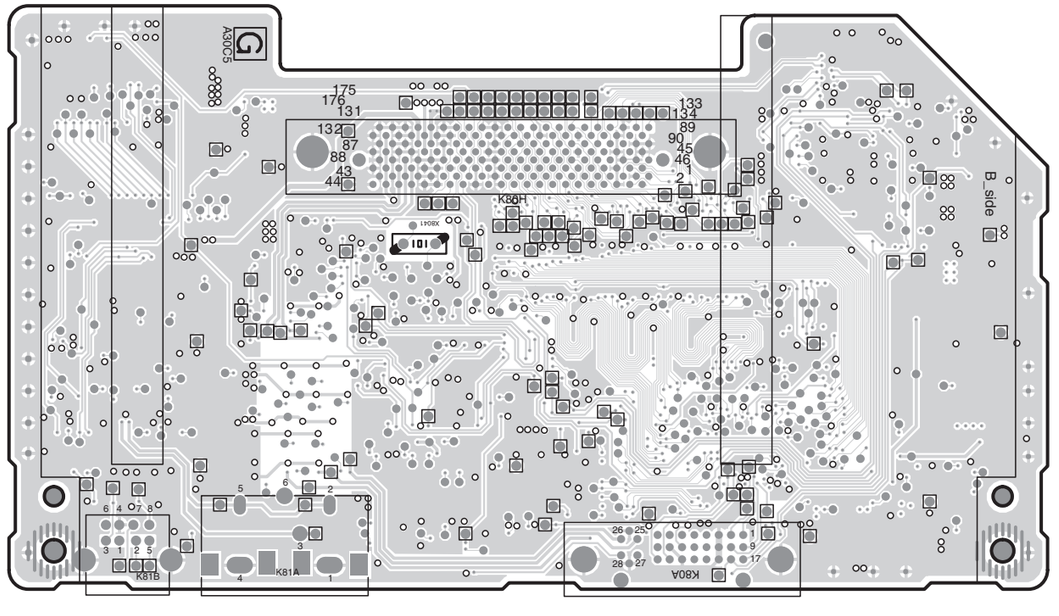
MAIN (side-B)



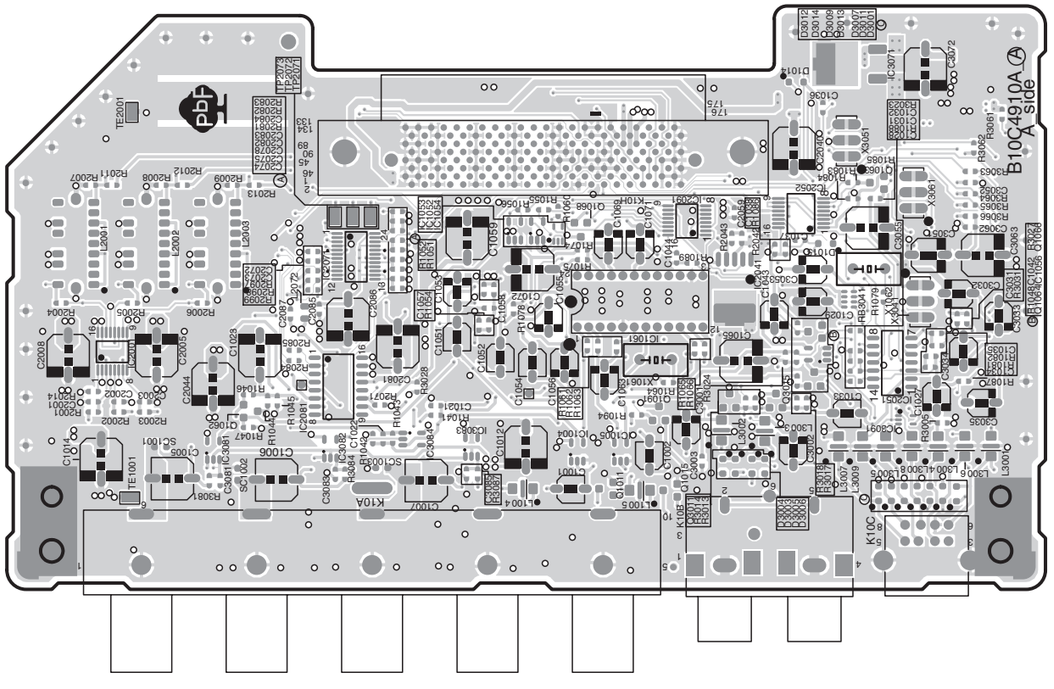
DVI (side-A)



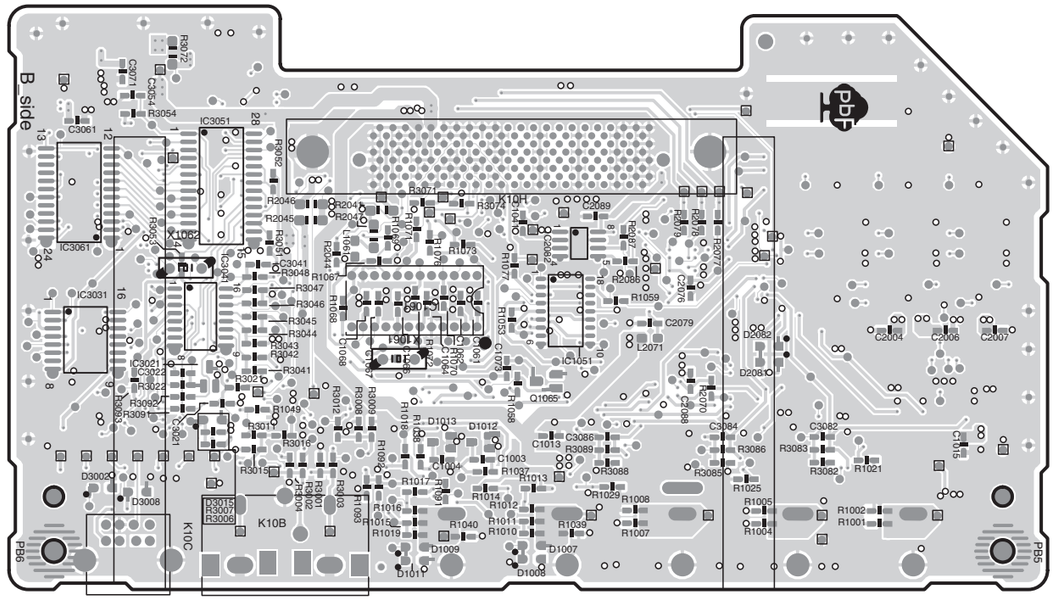
DVI (side-B)



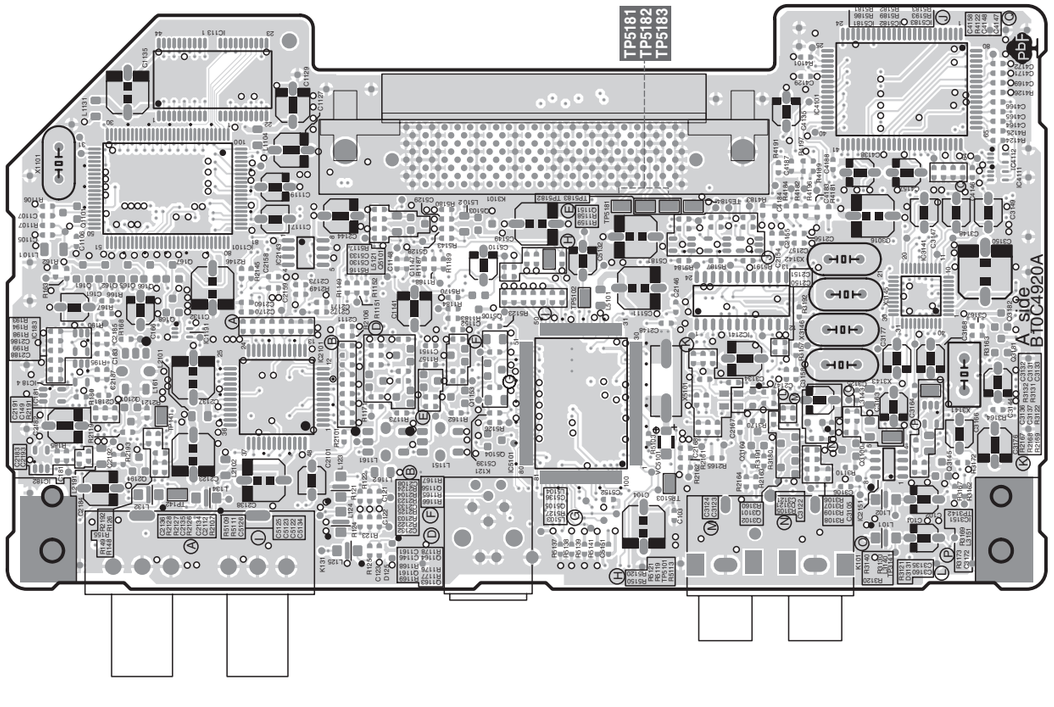
COMPONENT (side-A)



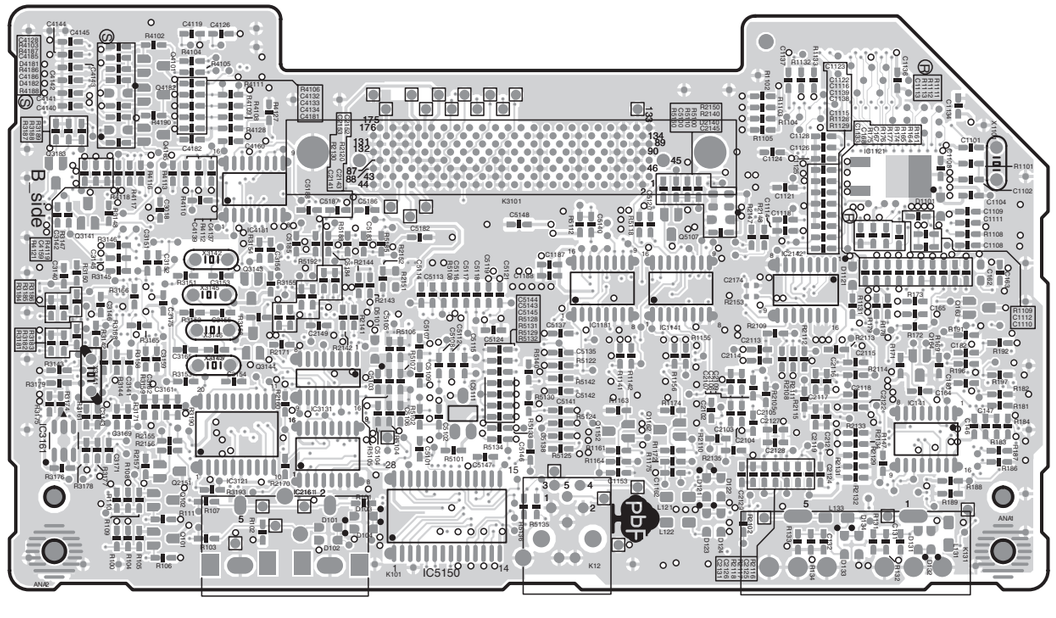
COMPONENT (side-B)



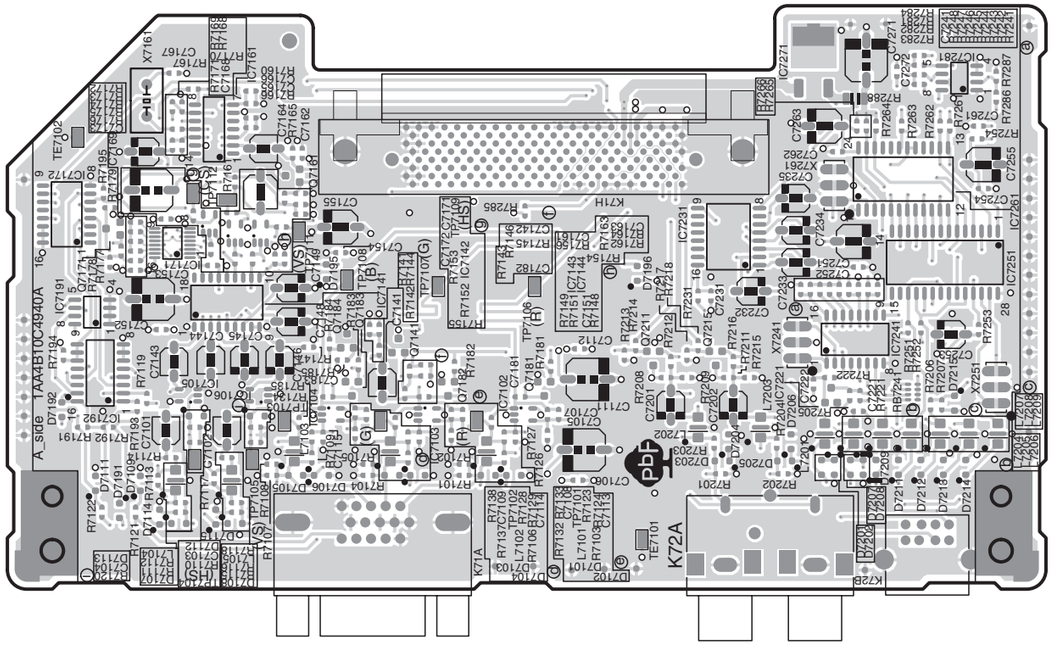
AV (side-A)



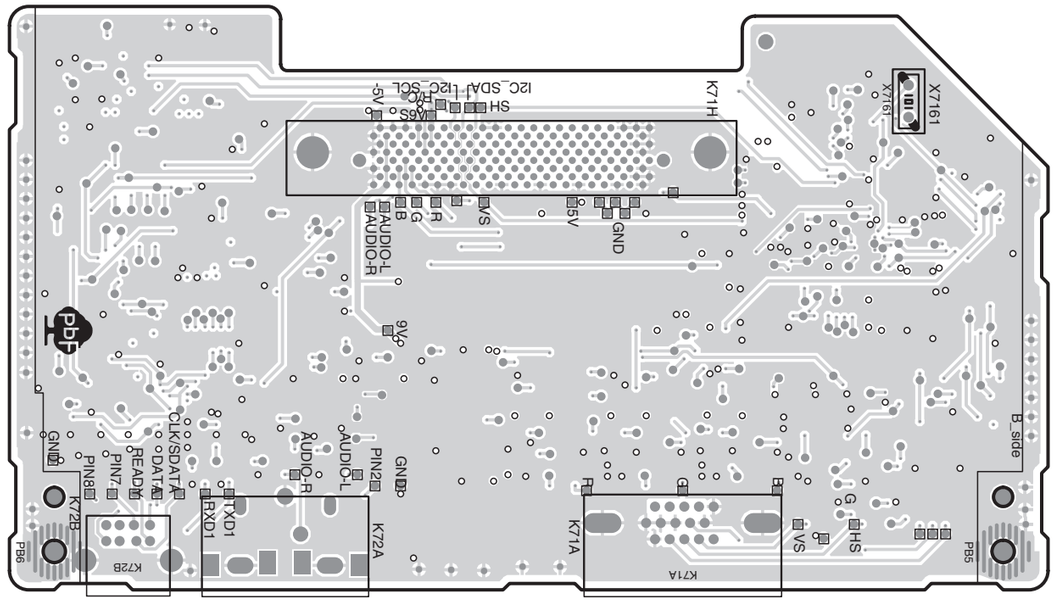
AV (side-B)



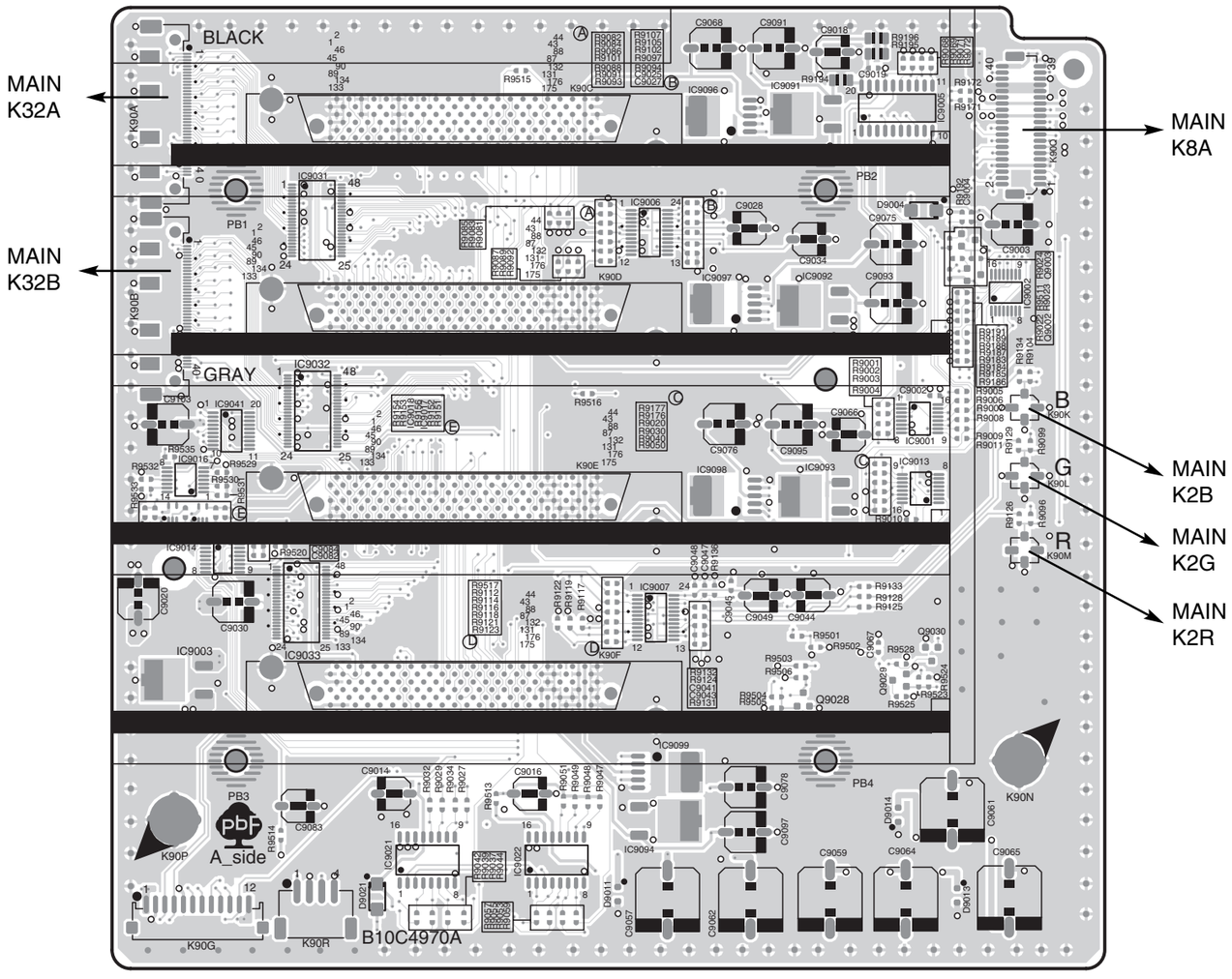
D-SUB (side-A)



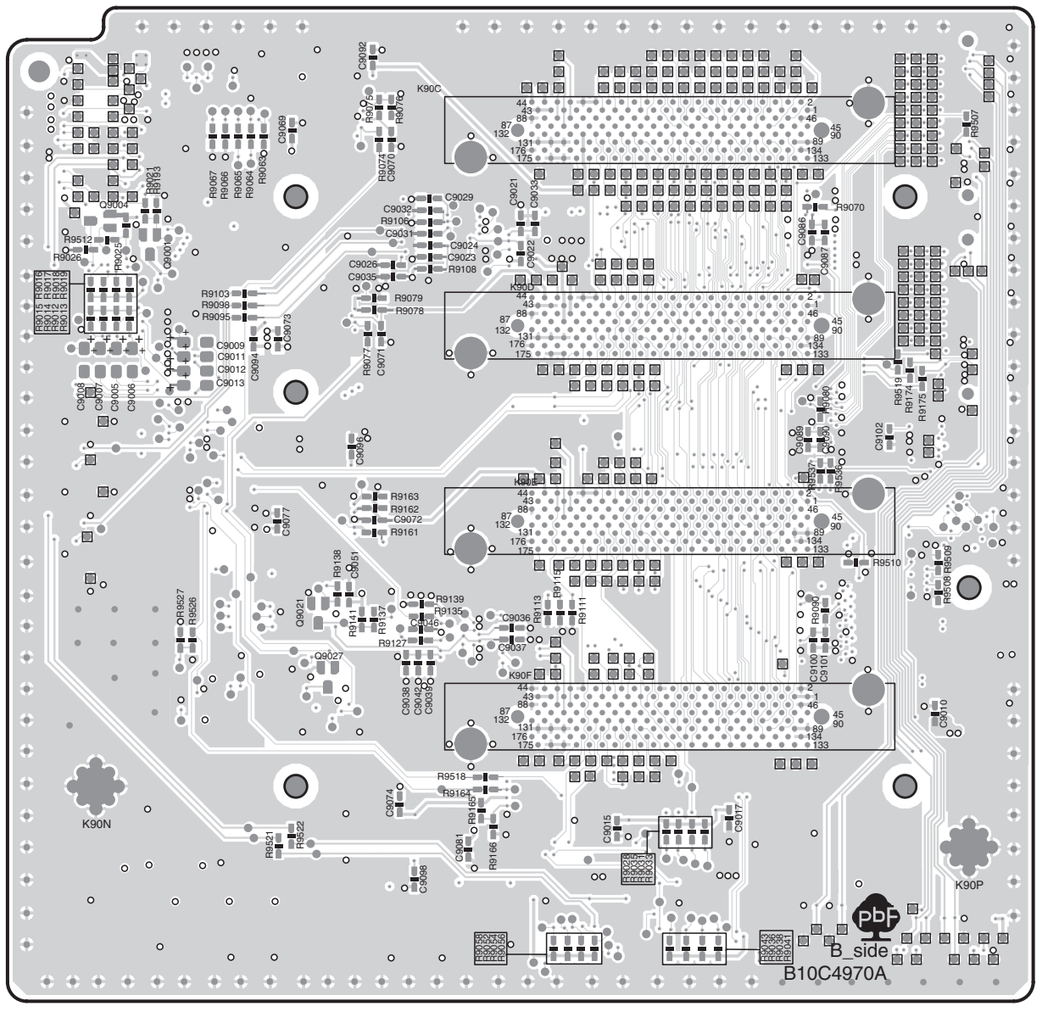
D-SUB (side-B)



CG-MOTHER (side-A)

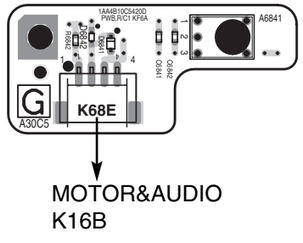


CG-MOTHER (side-B)



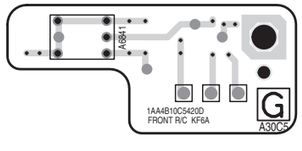
R/C1 (side-A)

(FRONT)



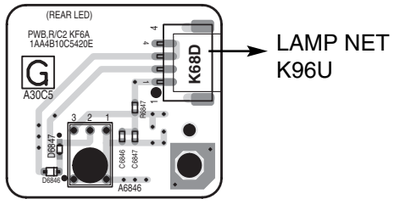
R/C1 (side-B)

(FRONT)



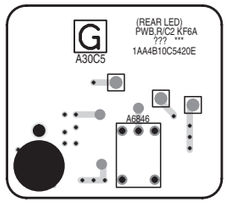
R/C_2 (side-A)

(REAR)

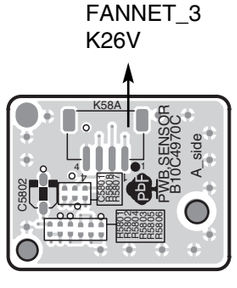


R/C_2 (side-B)

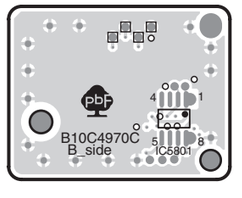
(REAR)



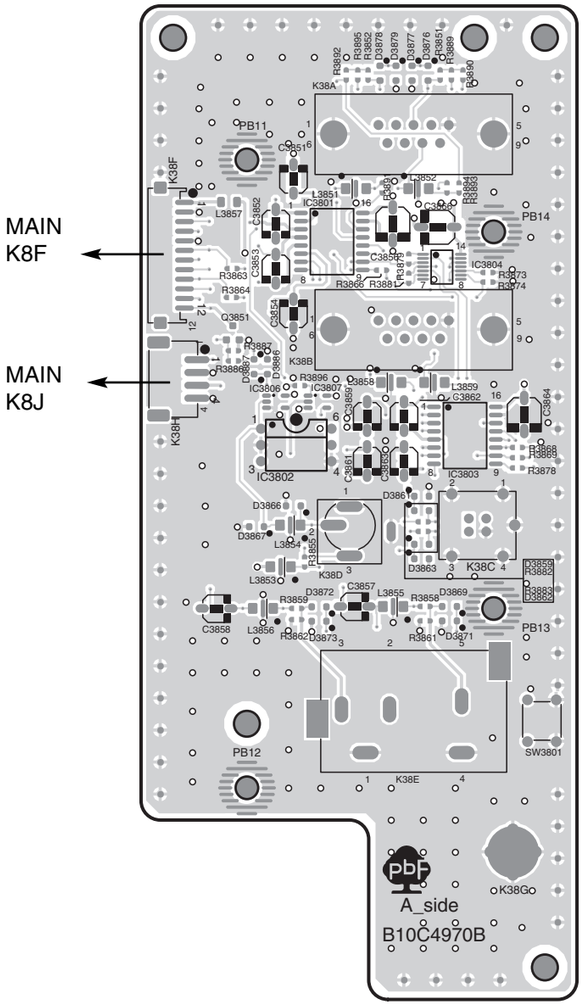
SENSOR (side-A)



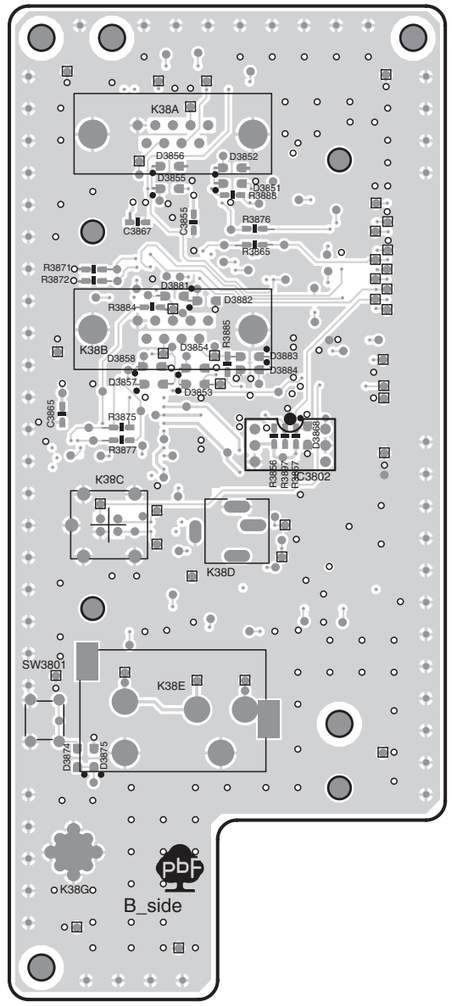
SENSOR (side-B)



RS232C (side-A)

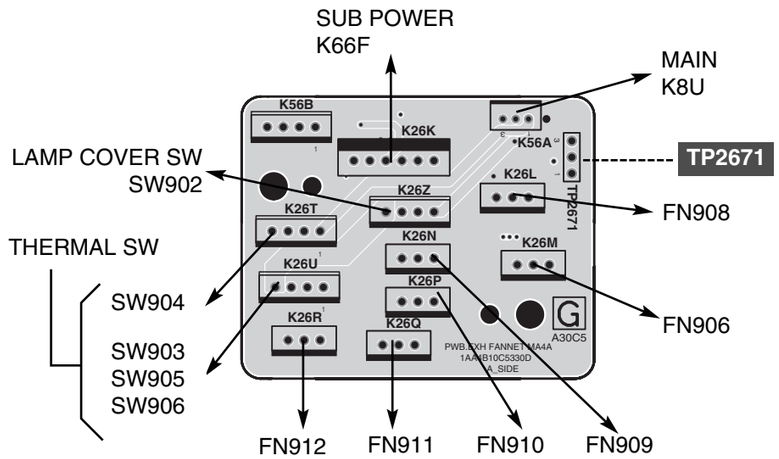


RS232C (side-B)

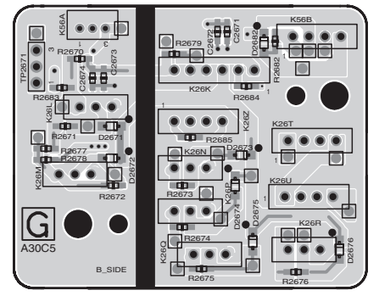


FANNET_2 (side-A)

(EXH FANNET)

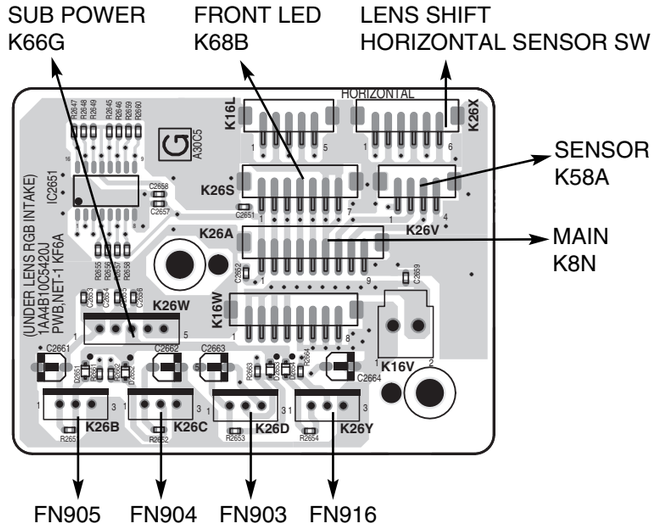


FANNET_2 (side-B)

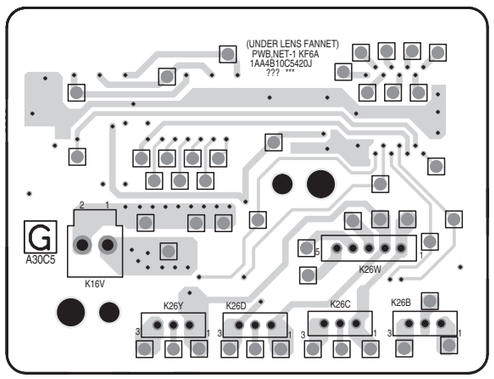


FANNET_3 (side-A)

(RGB IN FANNET)

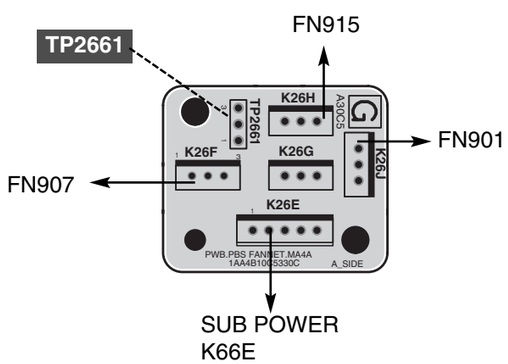


FANNET_3 (side-B)

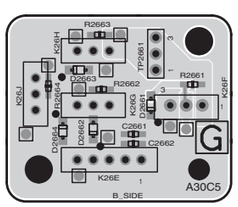


FANNET_1 (side-A)

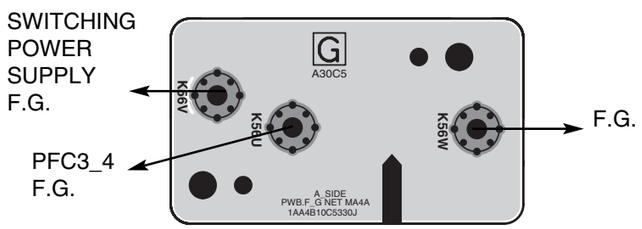
(PBS FANNET)



FANNET_1 (side-B)

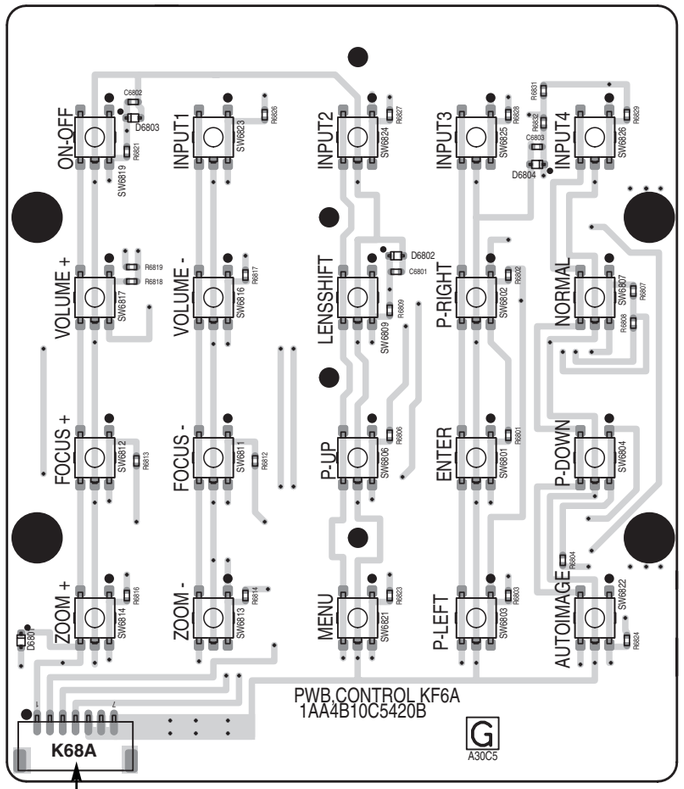


F-G_NET (side-A)

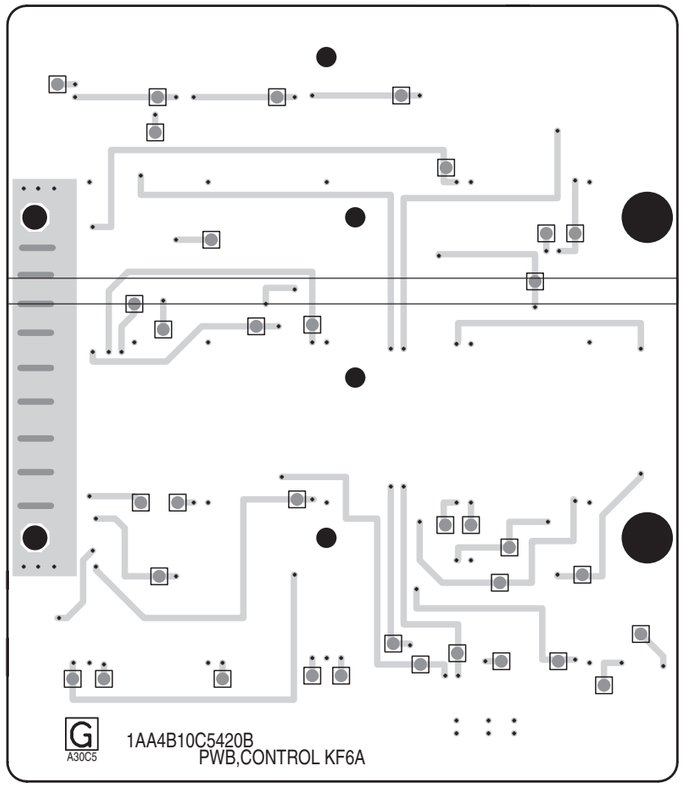


F-G_NET (side-B)

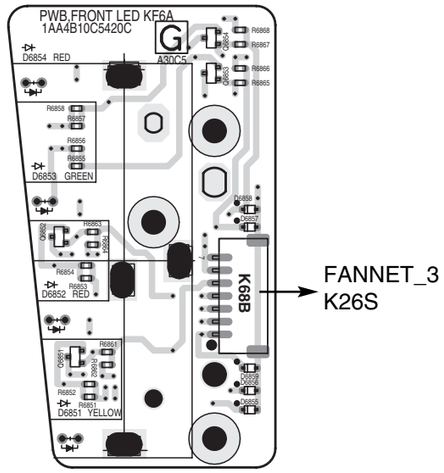
CONTROL (side-A)



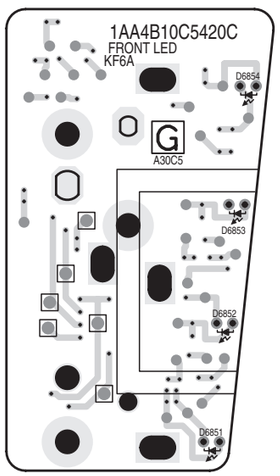
CONTROL (side-B)



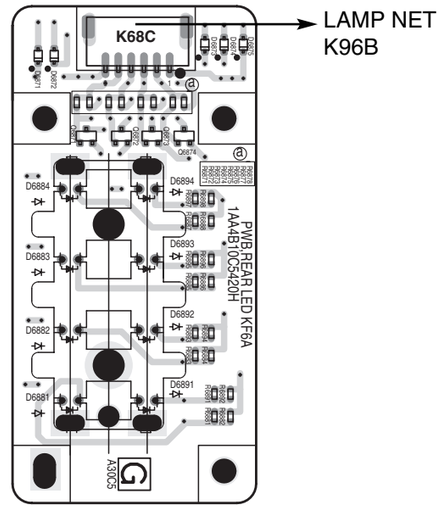
FRONT LED (side-A)



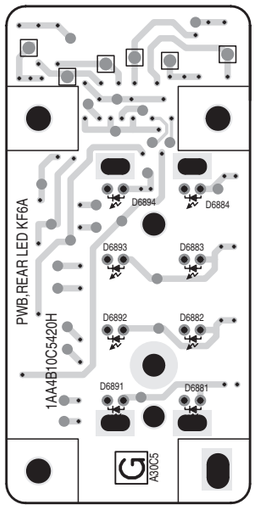
FRONT LED (side-B)



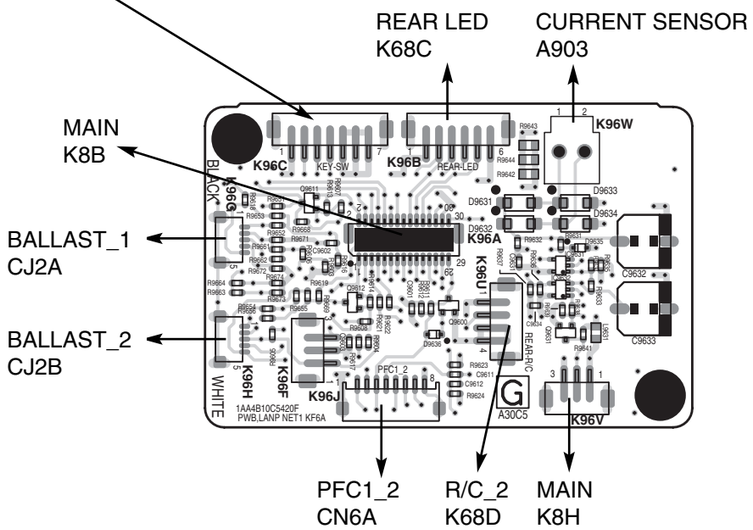
REAR LED (side-A)



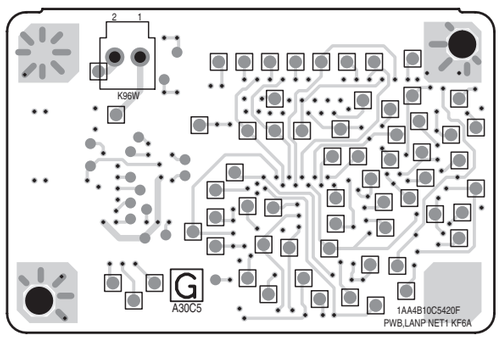
REAR LED (side-B)



LAMP NET (side-A)

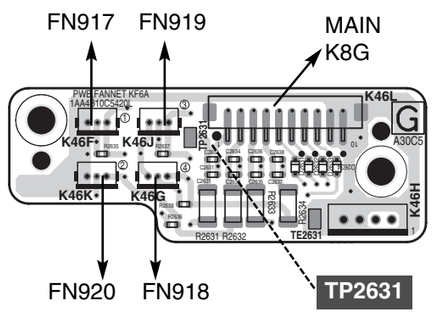


LAMP NET (side-B)

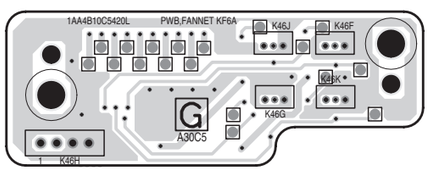


FANNET_4 (side-A)

(LAMP FANNET)



FANNET_4 (side-B)



POWER (side-A)

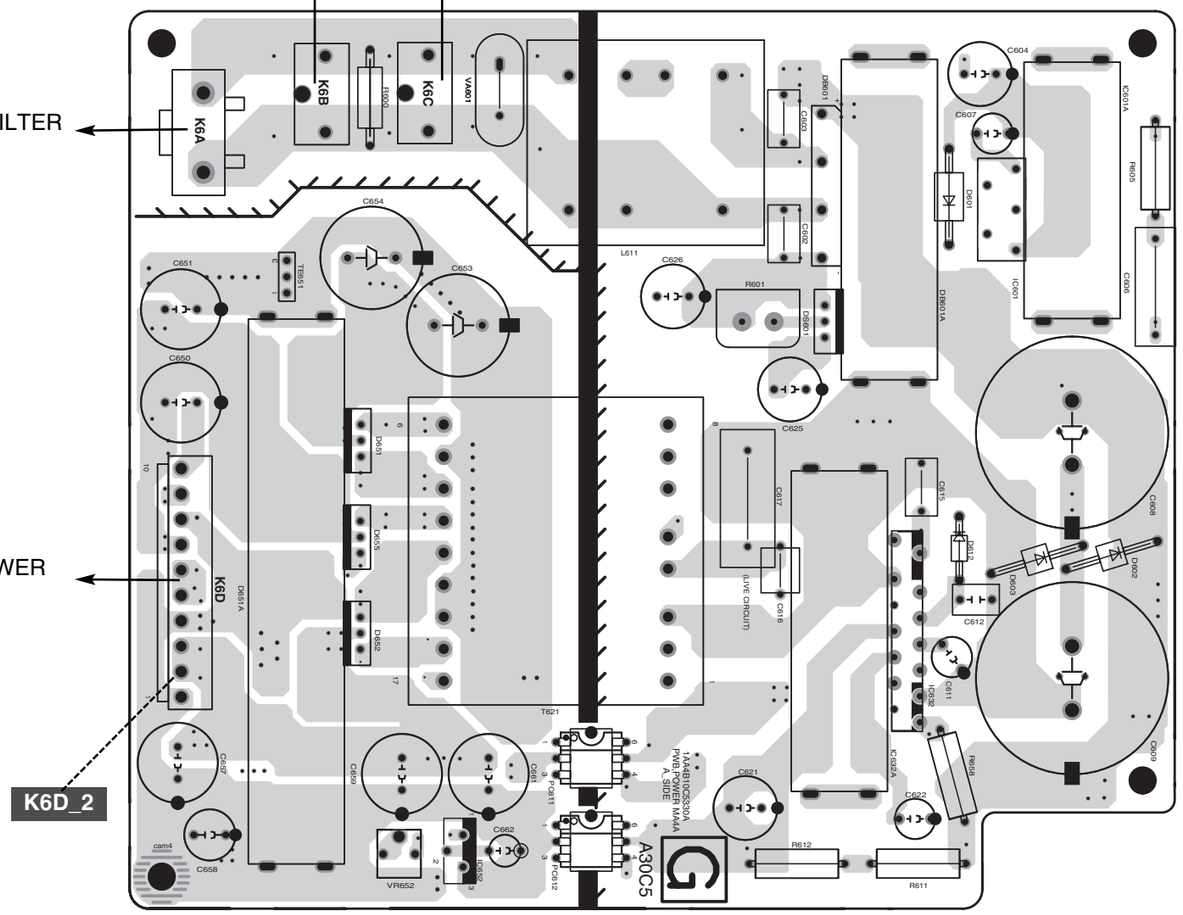
AC NET
K6E

PFC1_2
CN1A

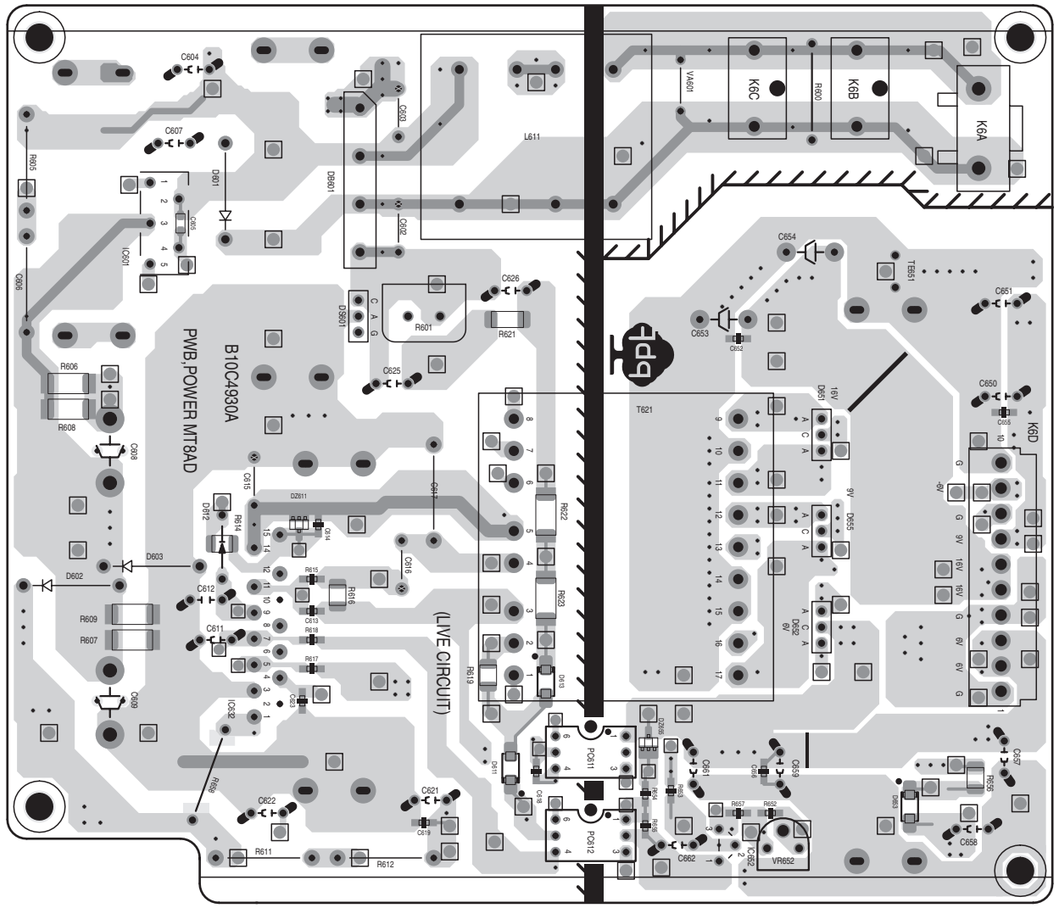
NOISE FILTER
LF901

SUB POWER
K66A

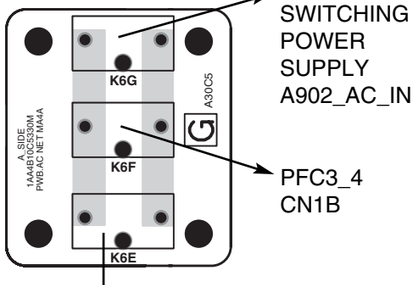
K6D_2



POWER (side-B)



AC NET (side-A)

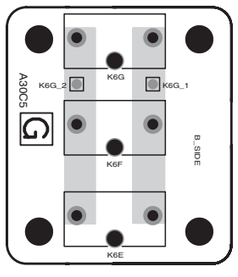


DC25V
SWITCHING
POWER
SUPPLY
A902_AC_IN

PFC3_4
CN1B

POWER
K6B

AC NET (side-B)

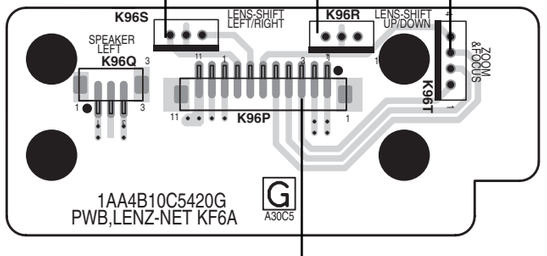


NET (side-A)

LENS SHIFT
LEFT/RIGHT

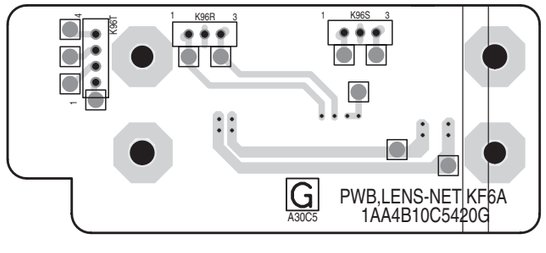
LENS SHIFT
UP/DOWN

LENS SHIFT
FOCUS&ZOOM

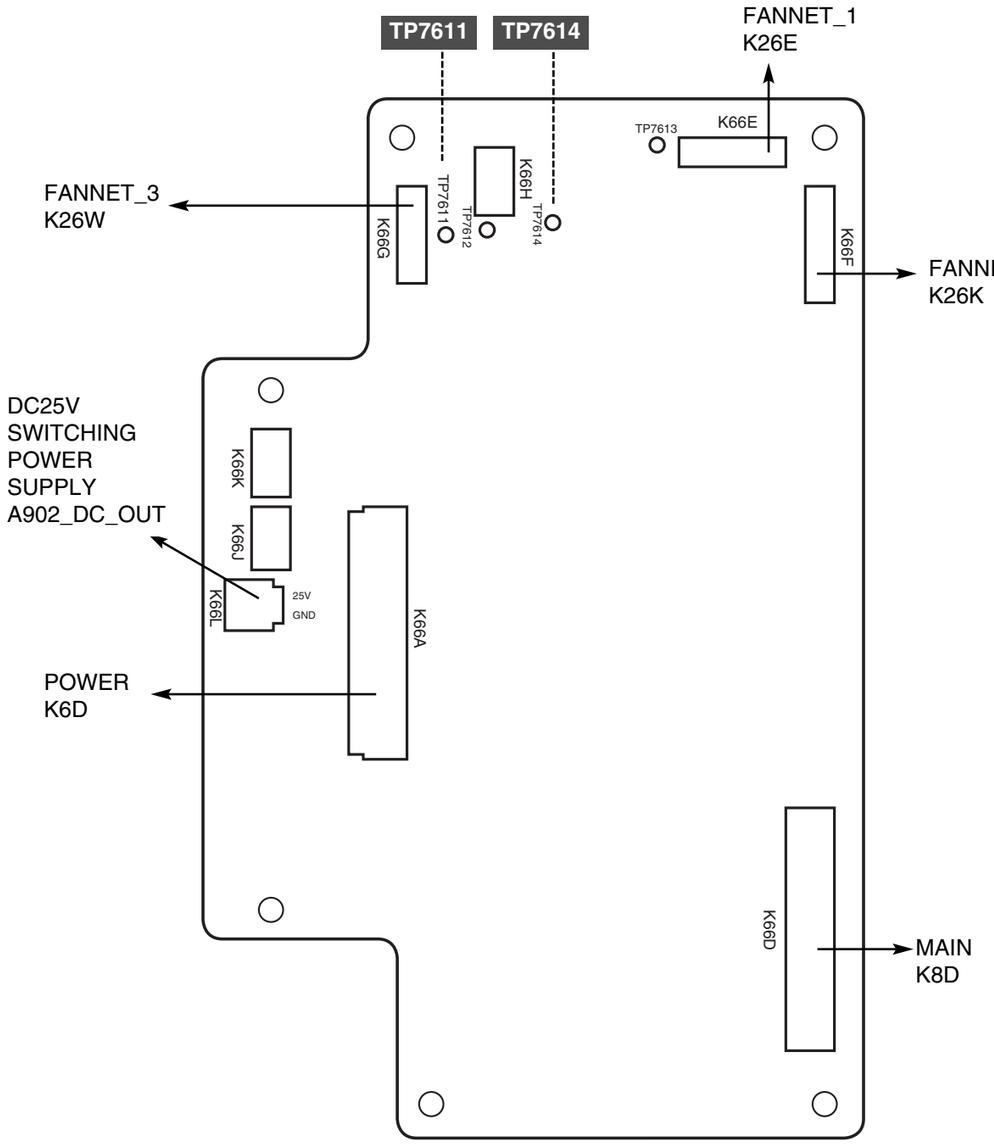


MOTOR&AUDIO
K16G

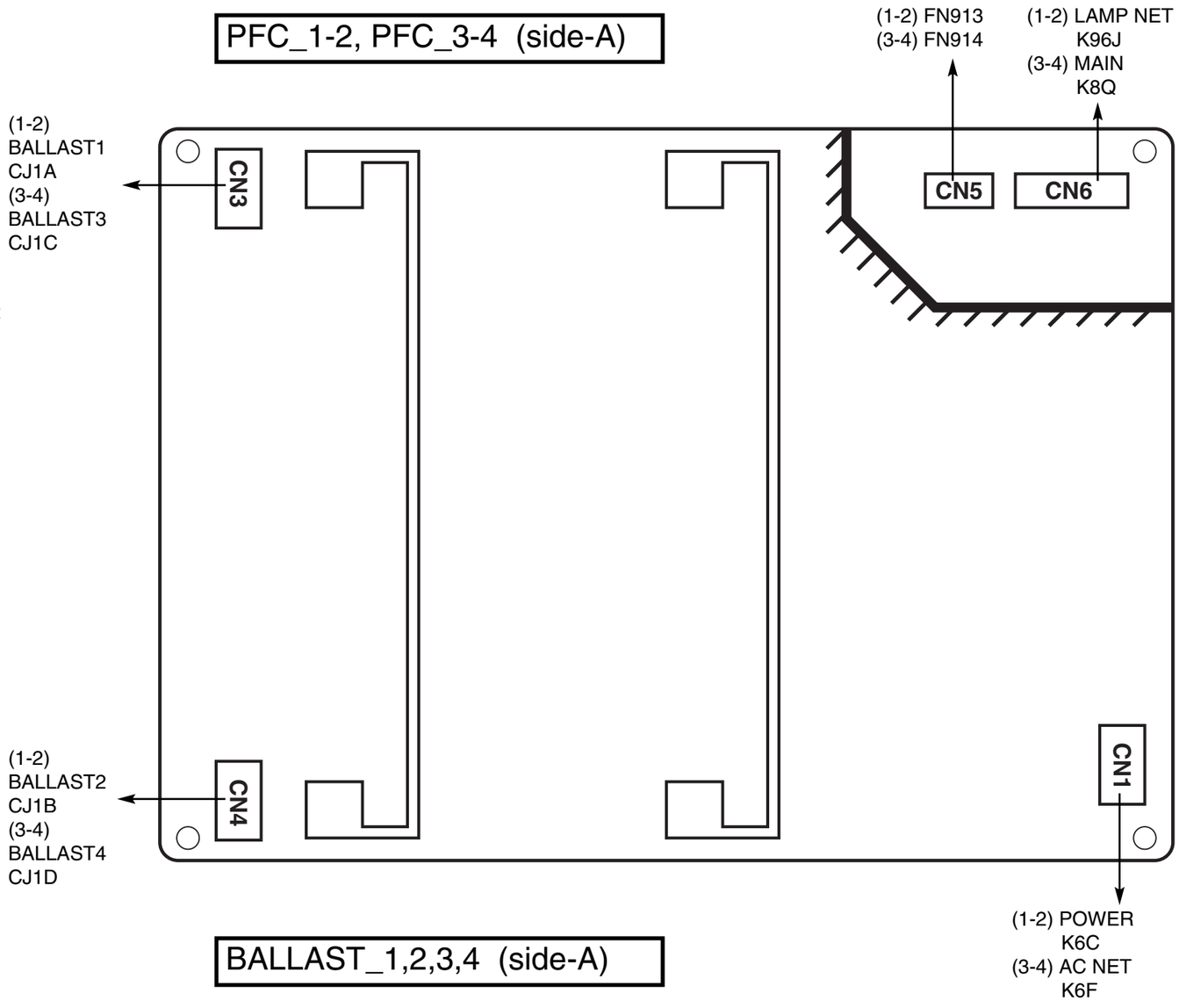
NET (side-B)



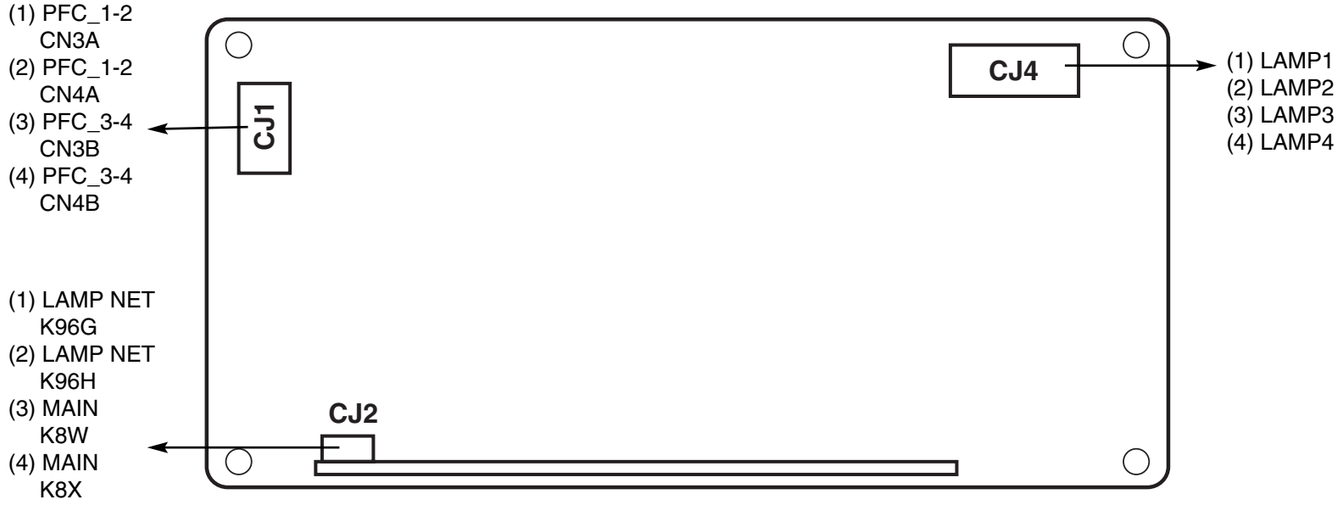
SUB POWER (side-A)



PFC_1-2, PFC_3-4 (side-A)

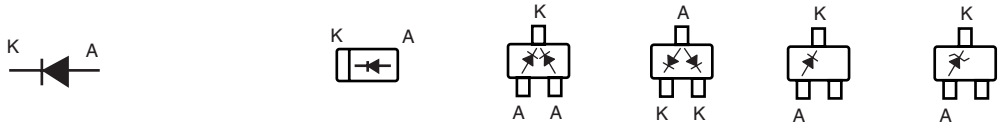


BALLAST_1,2,3,4 (side-A)

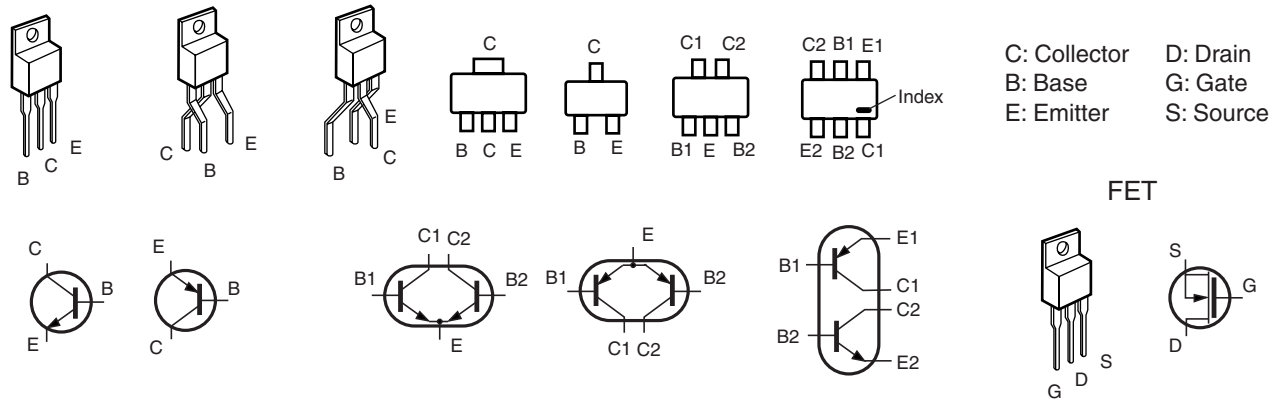


■ Pin description of diode, transistor and IC

● Diode



● Transistor/FET



● IC